

# **PIDC Ground Truth Event (GT) Database (Revision 1)**

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## 1. Introduction and summary

Ground truth information is critical to testing and validating location capabilities of the International Monitoring System. Events with known location accuracy are needed for this purpose. The Ground Truth (GT) database was established at the Prototype International Data Center (PIDC) in 1996 (Bondár, 1998a). Events were originally divided into four categories, *GT0*, *GT2*, *GT10*, and *GT25*, where GTX included events with X km accuracy. *GT0* and *GT2* consisted of a small number of calibration shots and mine/quarry blasts with known locations or small mine/quarry dimensions. *GT10* and *GT25* were populated with well located natural seismic events. These events were selected based on the number of defining phases, particularly at close distances, and the size of azimuthal gaps where there are no detecting stations (Sweeny et al., 1996).

In 1999 we revised the structure of the GT database to include a full CSS 3.0 schema (Yang and Romney, 1999). In addition to the existing GT categories, two new accuracy categories, *GT1* and *GT5*, were introduced in the GT database. An effort was made to document the data sources for all the GT events. More events were added into the GT database, including a large number of nuclear explosions in *GT0*, *GT1*, *GT2*, and *GT5* (Yang et al., 1999), a data set for industrial and seismic events in Fennoscandia, GT information for underwater explosions from Japanese experiments, a list of seismic events located by the Japanese Meteorology Association (JMA), and various calibration shots by DTRA/DoD in recent years.

In this revision, Revision 1, we include more up-to-date information for existing events and many new GT events. A new GT category, *GT7*, is also added. For the first time we include waveform information in the GT database. The database structure is revised to include new tables. As of August 2000, there are 3881 events in the GT database (Table 1, Figures 1-8). Many GT events are clustered in concentrated test sites/mining areas. A total of 218745 phase arrival data are available for 2637 events. There are 8904 waveform segments associated with 45 events.

This report is to document the GT events and their data sources in detail, and summarize the revised database structure in the GT database. Information on procedures and other structures is described in an associated technical reference (Bondár, 1998a). The GT events are stored in an Oracle database, **groundtruth@alfheim**. Direct access to these events is available through the PIDC (Prototype International Data Center) web site at [http://www.pidc.org/web-bin/all\\_pidc.pl?ap](http://www.pidc.org/web-bin/all_pidc.pl?ap). The GT database is maintained on a routine basis.

In this report we use **bold** for database names, *italics* for database table/view/synonym names and **Helvetica** for table attribute names.

## 2. Database structure

The GT database initially only contained four origin tables, named *GT0*, *GT2*, *GT10*, and *GT25* (Bondár, 1998a). While such a structure provides clear classification of GT events, it deviates from the CSS 3.0 schema so that it is not easy to use. In addition, a structural change was required when adding a new GT category.

In 1999 we revised the structure of the **groundtruth** database to contain all the major tables in the CSS 3.0 schema (Yang and Romney, 1999). Tables were implemented for the core GT information. Views or synonyms were used for other tables in order to minimize redundancy and potential integrity problems in maintaining replicated data. Different GT categories were also given for the user's convenience. These categories were implemented as views, named GTX, where X is an integer that represents X km location accuracy for events in that category.

In this revision, Revision 1, we have created waveform related tables and synonyms for data unique to the **groundtruth** database. For simplicity we do not include waveform data already associated in other PIDC databases. Interested users of such waveform information can find it from relevant tables in the PIDC Reviewed Event Bulletin database (**reb@alfheim**) for operational data since January 1, 1995, or in the PIDC Nuclear Explosion database (**explosion@alfheim**) for nuclear explosions (Yang et al., 2000c). In this revision we have also replaced previous views on arrival information using tables for high speed access, particularly for web applications. In addition to information unique to the GT databases, data in the *arrival*, *assoc*, *netmag*, and *stamag* tables are also drawn from corresponding tables in **REDB** (Reference Event Database'; former Calibration Event Bulletin, CEB; Yang et al., 2000d), **REB**, and **explosion**. In doing so the orids in the *arrival* and *assoc* tables are updated corresponding to the orids of the GT events when the GT solutions are not in other databases. Consequently, residuals in time, azimuth, and slowness may be obsolete since they may not be relative to the GT solution.

Three tables in the **groundtruth** database, *explo*, *glossary*, and *location* (Appendix 1), are not in the existing CSS/IDC schema (Anderson et al., 1990; Swanger et al., 1993; IDC5.1, 1999). All these tables are also used in the **explosion** database. The *location* table is a somewhat expanded version of the *mine* table, originally defined in the CSS 3.0 schema extension (Swanger et al., 1993), and later revised for the **groundtruth** database (Yang and Romney, 1999). It is used in the **explosion** and **groundtruth** databases for storing information on mines and test sites. The *explo* table, adapted from the CSS2.8 schema (Brennan, 1987), is introduced to hold yield, shot name, medium, and other information. In this revision the *explo* table is further expanded to include information on explosion type and linked to the location table (Yang et al., 2000). The *glossary* table is introduced to maintain data sources. Maintaining such information within the database structure is very important because it can provide the users immediate information regarding the data without searching through the literature. A common mistake in collecting calibration data has been to lose the identity of sources of data. In our work we clearly document the data source so that users can exercise their own judgement about data quality.

As in the **explosion** database, another two tables in the GT database deviate from the current CSS/IDC schema somewhat. We extended the event name field in the *event* table from 15 to 32 characters in order to accommodate the nuclear explosion names. We expanded the depth range in the *origin* table to allow negative values in order to represent the height for explosions that occur in the air.

The up-to-date GT database includes (Table 2):

- Tables: *origin*, *origerr*, *origaux*, *event*, *explo*, *remark*, *location*, *glossary*, *arrival*, *assoc*, *netmag*, *stamag*, *wfdisc*, and *wftag*
- Views: *GTX*, *site*, *sensor*, and *instrument*

- Synonyms: *affiliation*, and *sitechan*

It is important that the GT data are accompanied by information on data quality. Such information is stored in the table *origerr*. Unlike the PIDC location results that include full information on the covariance matrix and the error ellipse for a location, GT data are usually described as time and location accuracy up to X seconds and Y km (or m). When such information is available, we set the origin time error as X seconds, the error ellipse as a circle with a radius of Y km (average axis), and the confidence level as 1 (the maximum). Additional information on defining stations in event location is also valuable for GT events from seismic network solutions. We use the *origaux* table for information such as number of defining stations, gap in azimuthal coverage, and distance to the closest/farthest station.

There are another two databases for calibration data at the PIDC, **REDB** (former CEB; Bondár, 1998b; Yang et al., 2000d) and the **explosion** database (Yang et al., 2000c). Unlike them, in general we include only one origin for each event in the GT database. Other solutions for a given GT event may be found in the **REDB**, **REB**, or **explosion** databases. We generally limit one entry per event to the solution with the best known accuracy. Existing solutions for events in the GT database may be replaced if better ones become available later. This is done to ensure that a collection of the best ground truth information is available at any given time.

Exceptions to this one-solution-per-event rule are made for those events whose independent multiple solutions would be lost otherwise. These are the events that are not in the **REDB** or the origins that do not have associated seismic arrival data. To minimize data replication, we do not insert a GT origin into the **REDB** database for an existing **REDB** event unless there is additional arrival information associated with this origin. In the **REDB** we do not include events before 1995 in order to focus on readily accessible IMS data for its calibration. Moreover, we do not retro-insert a GT event into the **REDB**, if it was not already included based on the **REDB** selection criteria (Bondár, 1998b). The aim of the **REDB** is to collect a globally uniformly distributed data set in terms of geographic regions and depths, instead of being driven by seismicity. The aim of the GT database is to collect a high quality data set in terms of time and location accuracy.

Recently we have updated the **deltim** attribute in the *arrival* table of the **groundtruth** database for PIDC data before September 1997. New methods for estimating timing errors were installed around that time so that the measurement errors are inconsistent before and after (Israelsson et al., 1997). Therefore we updated the **deltim** attributes to be consistent throughout the GT database, as did the **REDB** and **explosion** databases. However, these events in the databases are not relocated after the **deltim** updates. Users should also be cautioned that the GSETT-3 parametric databases in the PIDC, i.e. **REB**, **LEB** (Preliminary Event Bulletin), **SEL1**, **SEL2**, **SEL3** (Standard Event Listing), are not updated. Our calculations of **deltim** were done using the following formula:

$$\text{deltim} = \min(1.07, \max(0.12, 1.07 - 1.2324 * \log(\text{SNR}/3))) \text{ if there is an SNR value, or} \\ \text{deltim} = 0.55 \text{ if there is no SNR value, assuming SNR=7.9.}$$

Explosion yield information is given in kiloton (kt) in the *explo* table. This unit is particularly suitable for nuclear explosions. Chemical explosions are often described in lb or kg. Chemical explosion conversions are based solely on weight of explosive and not equivalent energy. We con-

vert all **yield** data into **kt** when we put the information into the databases. Users may consider using a logarithm scale when dealing with the large variations in **yield**, if applicable.

The GT database uses unique IDs from other PIDC databases in all tables except the *remark*. The unique IDs are obtained from the *lastid* table in the PIDC operational database. The exception made for the *remark* table is for the clarity of GT information. For instance, we use **commid** of 1 for GT1 events as explained in the *remark* table. The first 30 commids in the *remark* table are reserved exclusively for the purpose of denoting GT categories. It is unlikely that a conflict in **commid** with other databases is a problem. Such an exception for the *remark* table is also made for the explosion database. In each database the **commid** is linked to its own *remark* table. Commids are not carried across databases when data are replicated.

The GT database contains subsets of events taken from the **REB**, **REDB**, **explosion**, and **hydroacoustic** (Yang et al., 2000b) databases. Other events are unique to the GT database, including calibration shots, industrial explosions, and natural seismic events. Each event is uniquely identified by an **evid** throughout all the PIDC databases. For example, if an event is in both the GT and the **REDB** databases, all the solutions to this event can be found by joining **REDB.origin** and **groundtruth.origin** using the same **evid**. In addition, as described in Section 4 of this report, we also use a prefix in the author field to explicitly identify the links from one event to other databases. Prefixes 'EX:', **REDB:**', and 'HYDRO:' show that the event is copied from the explosion **REDB** (former CEB), or **hydroacoustic** databases, respectively. Prefix 'REDB-:' shows that the event is in the **REDB** but the origin information is unique to the GT database.

The GT categories, **GTX** (X km location accuracy), are implemented as views (to the *origin* table). At present there are seven categories, **GT0** (<0.5 km), **GT1** (1 km), **GT2** (2 km), **GT5** (5 km), **GT7** (7 km), **GT10** (10 km), and **GT25** (25 km). These views are simple selects from the *origin* table. The category of each event is given in the **commid** of the *origin* table.

### 3. GT categories

The location accuracy of calibration events varies from event to event. Many of them do not meet the location accuracy required for specific calibration studies. Therefore we classify the ground truth events based on known or estimated location accuracy (Table 1). While the accuracy of origin time and depth is also crucial information, at this time we limit ourselves to epicentral location accuracy when defining GT events. A more thorough review of GT information will be given in the future.

The definition of each ground truth category is given below. In order to maintain a high quality database, ground truth information must be validated. The validation can be based on confirmation from national authorities, or mining companies, as well as accompanying documentation and publications. Events located by seismic networks must meet well-defined acceptance criteria.

Appendix 2 gives a list of GT events in GT0-GT10 categories, shown also in Figures 1-8. Events in GT25 are not listed in the Appendix but shown in Figures 1 and 9.

### **3.1 GT0 (<0.5 km location accuracy)**

The GT0 category consists of events with known, accurately surveyed location and often with accurately measured origin time. Locations are typically known to better than 0.1 km. Except for the selected nuclear explosions, these are usually calibration shots or announced chemical explosions, few of which were recorded teleseismically. The location coordinates are usually provided with accuracy up to seconds. Figure 3 shows the geographic distribution of GT0 events. Confirmation from local organizations or national authorities is required to label an event as GT0.

### **3.2 GT1 (1 km location accuracy)**

GT1 includes events with location accuracy better than 1 km. The coordinates of these events have been provided with location accuracies up to seconds of latitude and longitude with or without known error estimates. Some of the nuclear explosions included as GT1 may well be GT0 events. Figure 4 shows the locations of GT1 events.

### **3.3 GT2 (2 km location accuracy)**

Besides earthquakes and explosions, GT2 also consists of mine explosions or quarry blasts where the size of the mine or quarry is about 2 km. The location coordinates are usually provided with accuracy up to minutes of latitude and longitude. The origin time may be biased in the case of industrial explosions. Confirmation from government or industrial authorities is required. Although there are several hundreds of such events (Figure 5), they are concentrated in specific areas and usually recorded only to regional distances. Thus, they generally cannot be used for deriving and testing teleseismic travel time corrections.

### **3.4 GT5 (5 km location accuracy)**

GT5 includes events with location accuracy better than 5 km. GT5 is an ‘in between’ category. There is as yet no definite selection criteria for GT5 events. At the present time it mainly consists of Joint Hypocentre Determination (JHD) of nuclear explosions, based on a judgement that the reference events are at independently known locations (Figure 6). Events recorded by very dense local networks are also accepted as GT5 when the location accuracy has been thoroughly examined.

### **3.5 GT7 (7 km location accuracy)**

GT7 is introduced by NORSAR in a recent data set release (NORSAR, 2000). The event (Figure 7) was located with a maximum formal epicenter uncertainty of 7 km with focal depth fixed to 10 km.

### **3.6 GT10 (10 km location accuracy)**

GT10 events are seismic network locations where both the location and origin time can be biased. The events are selected from **REDB** (former CEB), NEIC and ISC bulletins. The acceptance criteria for a GT10 event require that it be recorded by at least 5 stations within 3 degrees distance, and that the largest azimuthal gap between the recording stations within 5 degree distance cannot exceed 180 degrees. GT10 events are well-constrained network solutions (Figure

8) but only a few networks satisfy the above requirements. We note here that Dewey (1999) devised more stringent GT10 criteria than those used here.

### **3.7 GT25 (25 km location accuracy)**

The acceptance criteria for GT25 category requires that the number of defining phases (i.e. arrivals contributing to the location) be at least 50, and the largest azimuthal gap be less than 90 degrees (Bondár, 1998a). This definition is consistent with the results of other studies of factors governing location accuracy (Sweeney, 1996). As for GT10 events, GT25 events are routinely selected from the **REB** and **REDB** (former CEB). Owing to the less stringent selection criteria, the Earth's seismicity is quite well represented by GT25 events (Figure 9). However, because of their relatively large potential location errors, their use for calibration purposes is limited. They do provide a set of events for testing global location procedures and methods.

## **4. Data sources**

Ground truth data are collected from both independent sources (announced chemical and nuclear explosions, confirmed quarry blasts, etc.) and seismic bulletins (**REB**, **REDB**, NEIC, ISC). As part of the calibration effort, many countries (Australia, Canada, Israel, Japan, Kazakhstan, Russian Federation, South Africa, Switzerland, USA) have reported ground truth information. Canada and Finland have also provided the locations of major mines in their territory. Table 3 gives information on the data sources for the events in the GT database.

### **4.1 Primary data sources**

The primary data sources include event information on nuclear explosions, chemical explosions, industrial events, earthquakes, and mixed data sets from previous studies (Yang and Romney, 1999).

#### **4.11 Nuclear explosions**

Nuclear explosions are selected for the inclusion in the GT database when there are data sources with accuracies better than 5 km, including GT0, GT1, GT2, and GT5 events. GT0 events include those by 'AEC', 'BOCHAROV', 'DOE', 'ERDA', 'G+P', 'GUPTA+PABIAN', 'GUPTA+RICH', 'NNCKR', and 'SPRINGER'. GT1 events include those by 'BARKER', 'KHRISTOFOROV', and 'SULTANOV'. GT2 events include those by 'G+P' and 'NV209'. GT5 events include those by 'AWE-JED', 'AWRE-JED', 'GUPTA-JED', and JHD. Descriptions of the data sources are given in Table 3. These nuclear explosions in the GT database can be identified by an auth prefix of 'EX:'.

#### **4.12 Chemical explosions**

Chemical explosions are conducted as calibration shots in various experiments and ground truth information in both time and location has been obtained from relevant agencies. DTRA/DoD (Defense Threat Reduction Agency, Department of Defense) conducted a series of surface detonations at WSMR (9 shots; White Sands Missile Range, New Mexico, USA) and Balapan (3 shots;

Kazakhstan) in 1998-1999 (Kluchko, 1997; Reinke, 1998-1999; Jih, 1998). These events can be identified by an **auth** of ‘DTRA/DoD’. In October 1998 the U.S. Navy dropped a series of explosive sonobouys (10 shots) near hydroacoustic stations at Wake Island (Herms, 1998). These events can be identified as ‘HYDRO:NAVY/VP47’. In September 1996 Japanese researchers conducted a refraction experiment in the ocean near Japan (141 shots; Brumbaugh and Le Bras, 1998). These events can be identified by an **auth** of ‘HYDRO:HINO’. Three chemical explosions were carried out in the Kola Peninsula, Russia in 1996 and 1997, respectively (e.g. Ringdal et al., 1996). These events can be identified by event name of ‘KOLA’ and **auth** of ‘RUS\_NDC’.

Some GT events are from the DeepProbe (2 events) and LithoProbe (10 events) seismic experiments in North America. The 1995 Deep Probe active source seismic experiment was conducted along a great circle from Canada to New Mexico (Levander et al., 1995; Gorman et al., 1995). In 1997 LITHOPROBE (Canada’s major national research project in the earth sciences) conducted a seismic refraction/wide angle reflection survey (SNORE 97) in northwestern Canada (Clowes and Ellis, 1997). GT information for these two experiments were provided by the Canadian and US NDCs. These events can be identified by an **evname** of ‘DeepProbe’ and ‘LithoProbe’, respectively.

#### 4.13 Industrial events

Some mining events and quarry blasts have been provided by the NDCs. These events can be identified by an **auth** with three-letter country code followed by ‘\_NDC’, such as Poland NDC (‘POL\_NDC’), Australian NDC (‘AUS\_NDC’), Canadian NDC (‘CAN\_NDC’), Israel NDC (‘ISR\_NDC’), US NDC (‘USA\_NDC’), and South Africa NDC (‘ZAF\_NDC’). Most NDC events are GT0 or GT2 quality, but occasionally some are GT25 quality. Analyses of mines in Sweden and Finland (Israelsson, 1999) yield 86 GT2 and 75 GT5 events in Sweden and Finland, respectively (‘ISRAELSSON’). In addition, the Finnish and Canadian NDCs have provided mine locations.

#### 4.14 Earthquakes

Natural seismic events from the **REB** and **REDB** (former CEB) are automatically selected and loaded into the GT database on a daily later. Most of these events are selected as GT25, but a few as GT10. They can be identified by a prefix to the author, ‘REDB:’ or ‘REB:’.

Earthquakes are also selected from the NEIC/EDR for events in 1995. CDs from the NEIC/EDR are loaded into a separated database and GT events are selected from there. So far only events in 1995 have been loaded and 163 have been selected for GT10. They can be identified by the author of ‘NEIC/EDR’. The NEIC/EDR events since 1996 and the ISC events may be loaded at a later date.

Regional network solutions for earthquakes have been provided by the NDCs for the GT database. For instance, the Israeli NDC has provided 4 events which are stated to be GT2, and the Japan NDC has provided many such events..

## 4.15 Mixed data sets from previous studies

Ground truth data sets were collected previously at CMR for the purpose of location calibration and event discrimination. We adopted 288 events that occurred in the Fennoscandian region between 07/25/1987 and 05/30/1993 ('GRANT'; Grant et al., 1993). This data set contains a mixture of mining events, quarry blasts, and earthquakes. Along with the mining events from Israels-son (1999) and the Polish NDC, this data set has been used in recent validation testing of 1-D model and travel time corrections in the Fennoscandian region (Bondár and Ryaboy, 1997; Yang and McLaughlin, 1999).

## 4.2 Additional data sources included in Revision 1

In this revision, Revision 1, we have included addition information on nuclear explosions (US and USSR), chemical explosions (Dead Sea, Kazakhstan, and US), industrial events (US, Canada, Russia, and Thailand), and earthquakes (US, Canada, and other regions). We have also introduced waveform information into the GT database.

### 4.21 Nuclear explosions in US and USSR

More accurate information is now available for 35 Novaya Zemlya events (Atomic Weapons Establishment, 1994; Richards, 2000) in the **explosion** database (Yang et al., 2000c). We have included these data as GT1, GT2, and GT5 events, respectively, in the GT database, identified by an auth of 'EX:RICHARDS' or 'EX:AWE-JED'.

Origins for one USSR event, JVE (09/14/1988), and one US event, Swordfish (05/11/1962), have also been updated, identified by an auth of 'EX:MURPHY+JENAB' and 'EX:JOHNSON', respectively. Both are GT0 events.

A close examination indicates that for some Lop Nor events the AWE-JED solutions possess GT2 quality, compared to the GUPTA-JED GT5 solutions. We have replaced the GUPTA-JED solutions for two Lop Nor event on 10/06/1983 and 10/03/1984 using the AWE-JED solutions.

### 4.22 Chemical explosions in the Dead Sea, Kazakhstan, and US

A series of location calibration experiments was carried out in the Dead Sea and in Kazakhstan in 1999-2000 (Shapira et al., 2000; Malakhova, 2000). GT0 information is available for the 1999 Dead Sea events on 11/08/1999, 11/10/1999, and 11/11/1999, identified by an auth of 'ISR\_NDC'. GT0 information is also available for the Kazakhstan events on 09/25/1999 and 07/29/2000 (called Omega-2 and Omega-3 experiments, respectively), identified by an auth of 'KAZ\_NDC'.

GT0 information for the chemical explosion, Climax, on 05/23/1964 is obtained from analysis of historic LRSM data (AFTAC, 1964). It is included in the **groundtruth** database, identified by an auth of 'LRSM'.

DTRA continues providing GT information on US chemical explosions. Recent events include explosions in WSMR, Chestnut Test Site, Nevada Test Site, and Eglin AFB, identified by an auth of 'DTRA/DoD'.

#### 4.23 Industrial events in US, Canada, Russia, and Thailand

Collecting GT events confirmed by industrial authorities is a time-consuming task. So far a few such events have been obtained in the US. A mining event in Minnesota on 12/31/1997 is estimated as having GT2 quality, identified by an auth of 'CCI-HTC' in the **groundtruth** database. Three mining events in West Virginia on 05/22/1997, 06/26/1997, and 01/12/1998 are estimated as having GT0 quality, identified by an auth of 'NRC' in the database. An event from an induced mine collapse in Michigan on 09/03/1995 (Phillips et al., 1999) is estimated as having GT0 quality, identified by an auth of 'PHILLIPSE' in the database.

A number of mining events in the US and Canada are collected for the GT database. There are 55 GT1 events from the Powder River Basin of Wyoming, identified by an auth of 'DOEWG' in the database (DoE Working Group, 1999). There are 220 GT2 and GT10 events from Canadian mines. Each of these Canadian events has two origins from two different data sources, identified by an auth of 'MCLAUGHLIN' and 'CAN\_NDC' in the database. No GT categories are assigned for the CAN\_NDC solutions.

Along with four earthquakes, four large mining blasts in the Kuzbass and Abakan region during 1995-1997 are reported as GT5-GT10 events (Emanov et al., 2000). All these events are in the PIDC **REB** (one also in the **REDB**) with fairly large location errors. These events are included in the GT database, identified by an auth of '%RUS/LDEO'.

An accident occurring in Thailand on 09/19/1999 is included in the GT database as a GT5 event., identified by an auth of 'MISC'.

#### 4.24 Earthquakes in US, Canada, and other regions

As US calibration events Dewey (1999) selected 70 GT10 events in North America, mostly in the US, by applying a set of stringent GT definition criteria. A later study shows that about half of the events have GT5 quality (Dewey, 2000). These events are included in the GT database, identified by an auth of 'DEWEY'.

In 1999 several earthquakes occurred at the Nevada Test Site, and six GT2 locations are given by the Seismological Lab of the University of Nevada at Reno. These events are included in the GT database, identified by an auth of 'UNRSL' .

We continue routine selections of GT events from the **REB** and **REDB** (former CEB) databases using the GT10 and GT25 criteria given in Section 3. These events are identified by an auth like 'REB:' and 'REDB:%', respectively.

#### 4.25 Waveform data for Kazakhstan and Europe events

The Kazakhstan calibration experiments during 1997-1999 were analyzed by Multimax Inc., including four Balapan DOB (Depth of Burial) shots in 1997, two calibration shots in 1998, and

the tunnel closing shot (called Omega-2) at Degelen on 09/25/1999. A collection of waveform data from PIDC, IRIS, LLNL, or LDEO are loaded into the GT database. Location results for six events are provided, two of which are in the **REDB** database. These solutions are identified by an auth of ‘MULTIMAX’ and ‘REDB:PIDC\_REV\_I’, respectively, in the GT database. GT categories are not assigned for these six events.

Recently NORSAR provided 9 GT1-GT7 events (NORSAR, 2000), including earthquakes and mining explosions in the northern Norway/Lola Peninsula region. These data are loaded into the GT database, identified by an auth of ‘NORSAR’.

Data for a seismic refraction experiment (called the Eurobridge experiment) across the Baltic Shield and Ukrainian Shield are analyzed recently by Kvarna et al. (2000). The location and waveforms are loaded into the GT database, identified by an auth of ‘KVAERNA’.

## 5. Events selection

Although there are many historical events that may meet GT standards, for direct calibration of the IMS (International Monitoring System) network recent events are the most useful. The use of historical ground truth events for CTBT purposes is limited to those that were recorded by already existing IMS stations or by stations that can be considered IMS substitute (surrogate) stations (Engdahl, 1998), i.e. co-located, or very close to IMS stations.

The general hierarchy for selecting GT events is as follows (with decreasing preference):

- Nuclear or chemical explosions: announced shots, satellite imagery, known accurate studies.
- Natural seismic events: regional network locations, ISC, NEIC/EDR, **REDB**, **REB**.

The GT hierarchy for nuclear explosions is described in Yang et al. (2000c).

The maintenance of the GT database is done on a routine basis. The **REB** and **REDB** events that meet the GT25 or GT10 criteria are automatically loaded into the GT database daily (Bondár, 1998a, 1998b; Yang et al., 2000d). All other GT events from scattered data sources are inserted into the database manually. It is important that the GT information be communicated in a consistent, standard format in order to lower the maintenance cost and to ensure higher data accuracy. Table 4 gives a preferred data exchange format for GT information. The preferred data exchange format for seismic data is the GSE2.0 format.

Unlike many other PIDC databases, the GT database allows previous GT solutions to be replaced by better ones. In this case, an old solution is removed, and a new one is entered with a new **orid** but using the same **evid**. It is important for the users to be aware of this unique feature in the GT database so that they will know to revisit the same events from time to time during their studies.

The success of the GT information collection relies on cooperation among a wide range of sources. We strongly urge interested parties to provide their GT information to the PIDC. It is very important that GT information includes quality, i.e. error estimates in location and time. Together we can maintain a collection of high quality GT information for the community to use, particularly for calibrating the CTBT IMS.

## 6. Metadata

In this revision, Revision 1, we have expanded the metadata structure to include more information on metadata, i.e. information on data. In the *glossary* table we now also include directory and file names for metadata which are actually saved on an external disk. Such files are limited to information that is not published (e.g. Emails). The former *mine* table (Yang and Romney, 1999) is now replaced by the *location* table, which accommodates information both on mines and test sites.

## 7. Data access

The GT data in the **groundtruth** database can be accessed via the PIDC GT web site (<http://www.pidc.org/web-bin/gt.pl>), or directly by SQLNet (Yang et al., 2000a).

### 7.1 Web access

At the PIDC GT web site users may select the GT events by GT categories (or all categories), date, and location. Information provided includes not only event list but also magnitudes and arrivals of each event, if available.

### 7.2 Direct database access

The **groundtruth** database, an Oracle database, can be directly accessed using SQLNet, provided that the users have Oracle access at their local sites or from CMR accounts, and also have knowledge in SQLNet. The SQLNet connection is: sqlplus center@alfheim. Note that the password is only available for the IDC and NDC personnels as well as users associated with the Defense Threat Reduction Agency (DTRA) and related research programs.

## 8. Acknowledgments

The success of the GT database is largely due to the participations of the National Data Centers, DTRA, and other agencies/people who provide us with ground truth information. We are grateful for the help of the contact people at DTRA and in the NDCs of Australia, Canada, Switzerland, Finland, Kazakhstan, Russia, US, and South Africa. We would also like to thank Hans Israelsson, Bob North, Keith McLaughlin, and Richard Stead for their help in this work.

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**Table 1: Preferred GT events as of August 2000**

Commid	GT category	Number of events	number of events with arrivals
0	GT0	1182	604
1	GT1	213	2
2	GT2	773	672
5	GT5	308	118
7	GT7	1	0
10	GT10	427	274
25	GT25	977	960
	Total	3881	2630

**Table 2: Database tables/views/synonyms in the GT database**

Name	Type	Description	Data source and time period
<i>affiliation</i>	synonym	Network station affiliations	<b>REDB</b>
<i>arrival</i>	table	Arrival- and origin-based amplitude measurements	<b>REDB:</b> since 01/01/1995 <b>REB:</b> since 01/01/1995 <b>explosion:</b> 01/16/1964-10/24/1990 GT: 07/25/1987-05/29/1997
<i>assoc</i>	table	Data associating arrivals with origins	<b>REDB</b> <b>REB</b> <b>explosion</b> GT
<i>event</i>	table	Event to origin connection	<b>REDB</b> <b>REB</b> <b>explosion</b> GT
<i>explo</i>	table	Event location and time, yield, medium, test site, explosion type, data source, remark	07/16/1945-07/29/2000
<i>glossary</i>	table	Abbreviation description including data source	

**Table 2: Database tables/views/synonyms in the GT database**

Name	Type	Description	Data source and time period
<i>GT0</i>	view	GT category: <0.5 km accuracy	CAN_NDC: aug 09 1995-aug 20 1997 CHE_NDC: nov 02 1992-nov 02 1992 DEU_NDC: nov 02 1992-nov 02 1992 DOE:sep 22 1993 DTRA/DoD: sep 28 1997-dec 09 1999 EX:AEC: jul 26 1957-oct 28 1974 EX:BOCHAROV:oct 11 1961-dec 28 1972 EX:DOE:feb 13 1978-sep 18 1992 EX:ERDA: may 23 1974-dec 14 1977 EX:G+P:jul 16 1945-oct 30 1958 EX:GUPTA+PABIAN:may 18 1974-may 18 1974 EX:GUPTA+RICH:oct 16 1964-oct 16 1964 EX>NNCKR: jan 15 1965-oct 19 1989 EX:SPRINGER: sep 15 1961-oct 12 1973 FRA_NDC: nov 02 1992-nov 02 1992 GBR_NDC: nov 02 1992-nov 02 1992 HYDRO:HINO : sep 06 1996-sep 10 1996 HYDRO:NAVY/VP47:oct 04 1998 ISR_NDC : mar 30 1997-nov 11 1999 KAZ_NDC : jul 13 1997-jul 29 2000 KVARNA:may 27 1995-jul 13 1996 LRSM:may 23 1964 NRC:may 22 1997-jan 12 1998 PHILLIPSE:sep 03 1995 REDB-USA_NDC: feb 03 1995-mar 11 1995 RUS_NDC:sep 29 1996-oct 12 1997 USA_NDC : aug 09 1995-aug 17 1995
<i>GT1</i>	view	GT category: 1 km accuracy	DOEWG: jan 01 1995-aug 01 1996 EX:BARKER:may 11 1998-may 28 1998 EX:CHRISTOFOROV: sep 21 1955-aug 22 1962 EX:RICHARDS: oct 27 1966-oct 24 1990 EX:SULTANOV: mar 30 1965-sep 06 1988 NORSAR: may 22 1999-aug 31 1999

**Table 2: Database tables/views/synonyms in the GT database**

Name	Type	Description	Data source and time period
<i>GT2</i>	view	GT category: 2 km accuracy	AUS_NDC:mar 28 1995-jan 14 1997 CAN_NDC: apr 17 1995-mar 28 1996 CCI-HTC:dec 31 1997 REDB-POL_NDC:may 26 1995-aug 25 1995 REDB-SWE_NDC: sep 11 1996-sep 11 1996 REDB-USA_NDC: oct 26 1995-oct 26 1995 REDB:CAN_NDC: apr 12 1997-apr 23 1997 REDB:ISR_NDC: jan 02 1996-jan 02 1996 REDB:JPN_NDC: oct 13 1995-dec 19 1997 DTTRA/DoD:jul 08 1999 EX:AWE-JED: oct 06 1983-oct 03 1984 EX:G+P: jan 27 1951-jul 24 1957 EX:RICHARDS: oct 25 1964-sep 01 1977 EX:NV209: may 11 1962-may 11 1962 GRANT: jul 25 1987-mar 30 1993 ISRAELSSON: jan 11 1995-oct 09 1996 ISR_NDC: sep 16 1994-may 29 1997 JPN_NDC: oct 05 1995-dec 28 1997 MCLAUGHLIN: jan 20 1995-mar 16 2000 NORSAR:jun 02 1999-aug 26 1999 POL_NDC: jan 05 1995-dec 27 1995 SWE_NDC: jan 19 1995-mar 21 1996 UNRSL:jan 25 1999-aug 01 1999 USA_NDC: jan 26 1995-jan 21 1997 ZAF_NDC: may 20 1995-mar 12 1996
<i>GT5</i>	view	GT category: 5 km accuracy	DEWEY:jan 07 1996-nov 26 1998 EX:AWE-JED: aug 24 1968-nov 27 1989 EX:AWRE-JED:sep 18 1964-oct 04 1989 EX:GUPTA-JED: jun 17 1967-sep 25 1992 EX:JHD: oct 24 1990-oct 24 1990 ISRAELSSON: jan 23 1995-oct 15 1996 MISC:sep 19 1999 NORSAR:Jul 04 1999-aug 17 1999 REDB-RUS/LDEO:sep 14 1995 RUS/LDEO:jan 10 1996-may 08 1996
<i>GT7</i>	view	GT category: 7 km accuracy	NORSAR:aug 22 1999
<i>GT10</i>	view	GT category: 10 km accuracy	DEWEY:feb 04 1996-dec 26 1998 MCLAUGHLIN:jan 09 1995-apr 21 2000 NEIC/EDR:jan 01 1995-dec 31 1995 REDB-NEIC/EDR: jan 29 1995-dec 11 1995 REDB-RUS/LDEO:jan 15 1996-jan 15 1996 REDB:PIDC_REDDB: sep 04 1995-oct 28 1998 REDB:PIDC_REB: sep 25 1998-sep 25 1998 RUS/LDEO:apr 20 1996-mar 10 1997

**Table 2: Database tables/views/synonyms in the GT database**

Name	Type	Description	Data source and time period
<i>GT25</i>	view	GT category: 25 km accuracy	REB: feb 18 1995-apr 17 2000 REDB:PIDC_LEB:apr 14 2000-jun 15 2000 REDB:PIDC_REB: mar 30 1995-jun 09 2000 REDB:PIDC_REDDB: may 15 1995-apr 23 2000 REDB:PIDC_REV: sep 01 1995-may 07 1999 REDB:PIDC_REV_I:feb 17 1995-feb 21 1999 ZAF_NDC: may 30 1998-may 30 1998
<i>instrument</i>	view	Calibration information for stations	<b>REDB</b> GT
<i>location</i>	table	Location of known mine sites and test sites	
<i>netmag</i>	table	Abbreviation description including data source, test site, explosion type, and responsible country	<b>REDB</b> <b>REB</b> <b>explosion</b> GT
<i>origaux</i>	table	Addition information on origin	11/02/1992-03/24/1999
<i>origerr</i>	table	Errors in origin estimations	06/17/1967-04/28/1999
<i>origin</i>	table	Summary of hypocentral parameters	07/16/1945-04/28/1999
<i>remark</i>	table	Responsible country; descriptions of events	
<i>sensor</i>	view	Calibration information for channels	<b>REDB</b> GT
<i>site</i>	view	Station location information	<b>REDB</b> GT
<i>sitechan</i>	synonym	Station-channel information used in <i>wfdisc</i> table	REB
<i>stamag</i>	table	Station magnitude estimates	<b>REDB</b> <b>REB</b> <b>explosion</b> GT
<i>wfdisc</i>	table	waveform data	NKVARNA:may 27 1995-jul 13 1996 MULTIMAX:aug 03 1997-sep 25 1999 NORSAR:may 22 1999-aug 22 1999
<i>wftag</i>	table	waveform mapping file used in <i>wfdisc</i> table	NKVARNA:may 27 1995-jul 13 1996 MULTIMAX:aug 03 1997-sep 25 1999 NORSAR:may 22 1999-aug 22 1999

**Table 3: Data sources (*glossary table*)**

<b>Data source</b>	<b>Description</b>
AUS_NDC	GT data from the Australia National Data Center
CAN_NDC	GT data from the Canada National Data Center. Data includes LithoProbe (Clowes, R. and R. Ellis, SNORE 97 web site, <a href="http://www.geop.ubc.ca/Lithoprobe/transsect/snore97.html">http://www.geop.ubc.ca/Lithoprobe/transsect/snore97.html</a> , 1997) and DeepProbe (Levander, A., T.J. Henstock, G.R. Miller, L.W. Braile, E.D. Humphreys, and K.G. Dueker, The 1995 U.S. Deep Probe Experiment, 1995; Gorman, A.R., R.M. Clowes, and R.M. Ellis, P-Wave velocity structure of the upper mantle below southern Alberta, Canada: The 1995 Deep Probe Experiment- Moho to 410-km discontinuity, 1995)
CCI-HTC	GT data from Rick Jaeger, 218-262-6853, rjaeger@cci-htc.com, Hibbing Taconite, Hibbing, MN.
CHE_NDC	GT data from the Switzerland National Data Center
DEU_NDC	GT data from the Germany National Data Center
DEWEY	GT data from Dewey, J., E. Herron, and J. Kork, Recent calibration events in the United States, Working Group B, Eleventh Session, Vienna, 7-18 February, 2000; Dewey, J., and J. Kork, Selection of earthquakes for calibration events in the United States, Proceedings of the Second Workshop on Location Calibration, 20-24 March 2000, Oslo, Norway.
DOE	GT data from U.S. Department of Energy (as reported in PDE or ISC bulletins)
DOEWG	DoE Working Group, Mine seismicity and the Comprehensive Nuclear-Test-Ban Treaty, LA-UR-99-384, UCRL-ID-132897, April 1999.
DTRA/DoD	GT data from Defense Threat Reduction Agency, Department of Defense (Kluchko, L.J., Balapan chemical explosion in September 1997 (fax), Defense Threat Reduction Agency, Department of Defense, 1997; Reinke, R., Information for 1998-1999 WSMR shots (Email), Defense Threat Reduction Agency, Department of Defense, 1998-1999; Jih, R., Chemical explosions at Balapan (Email), Defense Threat Reduction Agency, Department of Defense, 1998).
EX:AEC	Explosion data from United State Atomic Energy Commission (as reported in PDE or ISC bulletins)
EX:AWE-JED	Explosion data from Reports of Joint Epicenter Determination at various nuclear testing sites, by the staff of the U.K. Atomic Weapons Establishment. Applicable reports are: AWE Reports No. O 12/93 (China), AWE Report No. O 11/93 (France).
EX:AWRE-JED	Explosion data from Reports of Joint Epicenter Determination at various nuclear testing sites, by the staff of the U.K. Atomic Weapons Establishment. Applicable reports are: AWE Reports No. O 12/93 (China), AWE Report No. O 11/93 (France).
EX:BARKER	Explosion data from Barker, B., M. Clark, P. Davis, M. Fisk, M. Hedlin, H. Israelsen, V. Khalturin, W.-Y. Kim, K. McLaughlin, C. Meade, J. Murphy, R. North, J. Orcutt, C. Powell, P. Richards, R. Stead, J. Stevens, F. Vernon, and T. Wallace, Monitoring nuclear tests, Science, 281, 1967-1968, 1999.

**Table 3: Data sources (*glossary table*)**

<b>Data source</b>	<b>Description</b>
EX:BOCHAROV	Explosion data from Bocharov, V.S., S.A. Selentov and V.N. Michailov, Characteristics of 92 Underground Nuclear Explosions at the Semipalatinsk Test Site, Atomaya Energia, Vol.87, Issue 3, 1989 (in Russian)
EX:DOE	Explosion data from U.S. Department of Energy (as reported in PDE or ISC bulletins)
EX:ERDA	Explosion data from U.S. Environmental Research and Development Agency (as reported in PDE or ISC bulletins)
EX:G+P	Explosion data from Griggs, D.T. and F. Press, Probing the earth with nuclear explosions, J. Geophys. Res., 61, 237-258, 1961.
EX:GUPTA+PABIAN	Explosion data from Gupta, V. and F. Pabian, Investigating the allegations of Indian nuclear test preparations in the Rajasthan desert, Science and Global Security, Vol.6, no.2, 1996.
EX:GUPTA+RICH	Explosion data from Gupta, V. and D. Rich, Locating the denotation point of China first nuclear explosive test on 16 October 1964, Int. J. Remote Sensing, 17, 1969-1974, 1996.
EX:GUPTA-JED	Explosion data from Gupta, V., Locating nuclear explosions at the Chinese test site near Lop Nor, Science and Global Security, 5, 205-244, 1995.
EX:JHD	Explosion data from Joint Hypercenter Determination data used at CMR. Applicable report is Israelsson, H., M. Fisk, X. Yang, and R. North, The August 16, 1997 event in the Kara Sea, CMR Technical Report, CMR-97/38, 1997.
EX:JOHNSON	Explosion data from Johnson, C.T., W.P. de la Houssaye, and T. McMillian, Hydroacoustic Signals at Long Ranges from Shot SWORDFISH, U.S. Navy Electronics Laboratory, A Bureau of Ships Laboratory, San Diego, California, NEL Report1212 (EX), Extracted Version,1981.
EX:KHRISTOFOROV	Explosion data from Khristoforov, B., About the control of the underwater and above water nuclear explosions by hydroacoustic methods, Institute for Dynamics of Geosphere, Russian Academy of Sciences, Final report for Dynamics of Geosphere, Russian Academy of Sciences, Final report for the project SPC-95-4049, Moscow, October 11, 1996.
EX:MURPHY+JENAB	Explosion data from Murphy and Jenab, Development of a Comprehensive Seismic Yield Estimation System for Underground Nuclear Explosions, Maxwell, PL-TR-92-2076, SSS-TR-92-13129, 1992.
EX>NNCKR	Explosion data from National Nuclear Center of Kazakhstan Republic, Table of locations of Balapan nuclear explosions newly mapped by NNCKR, Calibration Workshop, 12-14 January 1999, Oslo, Norway.
EX:RICHARDS	Explosion data from Richards, P., Accurate estimates of the absolute location of underground nuclear tests at the northern Novaya Zemlya Test Site, Proceedings of Second Workshop on IMS Location Calibration, 10-24 March 2000, Oslo, Norway.

**Table 3: Data sources (*glossary table*)**

<b>Data source</b>	<b>Description</b>
EX:SPRINGER	Explosion data from Springer, D.L. and R.L. Kinnaman, Seismic Source Summary for U.S. Underground Nuclear Explosions, 1961-1970, Bull. Seis. Soc. Am., Vol.61, 1073-1098, 1971, and Seismic Source Summary for U.S. Underground Nuclear Explosions, 1971-1973, Bull. Seis. Soc. Am., Vol.65, 343-349, 1975.
EX:SULTANOV	Explosion data from Sultanov, J.J. et al., Completion of data base of PNE and large-scale schemical blasts conducted inside the territory of FSU and analysis of characteristics of seismic waves in order to improve the methods of seismic event identification, Institute for Dynamic of the Geospheres, Russian Academy of Sciences, Moscow, 1995.
FRA_NDC	GT data from the France National Data Center
GBR_NDC	GT data from the Great Britain National Data Center
GRANT	GT data from Grant, L., J. Coyne, and F. Ryall, CSS Ground-Truth Database: Version 1 handbook, Center for Seismic Studies, Technical Report C93-05, 1993.
HYDRO:HINO	HYDRO data from Brumbaugh, D. and R. Le Bras, Hydroacoustic signals from a ground truth data set of Marine Explosions, Science Application International Corporation, SAIC-98/3008, 1998.
HYDRO:NAVY/VP47	HYDRO data from the United States Navy (Hermes, T., WK31 SUS charges (Email), The U.S. Navy, 1998)
ISRAELSSON	GT data from Israelsson, H., GT for Swedish and Finnish mining events (Email), Center for Monitoring Research, 1999.
ISR_NDC	GT data from the Israel National Data Center
JPN_NDC	GT data from the Japan National Data Center
KAZ_NDC	GT data from the Kazakhstan National Data Center
KVARNA	Kvarna, T., L. Taylor, and J. Schweitzer, The Eurobridge profile- ground truth o bservations at the Fennoscandian arrays, Proceedings of the Second Workshop on Location Calibration, 20-24 March 2000, Oslo, Norway.
LRSM	AFTAC, Long Range Seismic Measurements project 8.4 CLIMAX, 23 May 1964, SeismicData Laboratory Report No 106. United Electrodynamics Inc., Alexandria, VA.1964.
MCLAUGHLIN	GT data from McLaughlin, K., Canadian GT events, April 26, 2000 (Email).
MISC	GT data from miscellaneous data source.
MULTIMAX	GT data from Multimax Inc.
NEIC/EDR	GT data from the U.S. National Earthquake Information Center/EDR
NORSAR	GT data from NORSAR, Seismic calibration pf the Europeasn Arctic ground truth events, Sepcial Technical Report No.5, NORSAR, June 2000.
NRC	GT data from NRC.

**Table 3: Data sources (*glossary table*)**

<b>Data source</b>	<b>Description</b>
PHILLIPSE	GT data from Phillips, W.S., D C. Pearson, X. Yang, and B. W. Stump, Aftershock of an explosively induced mine collapse at White Pine, Michigan, Bull. Seismo. Soc. Am., 89,1575-1590, 1999.
POL_NDC	GT data from the Poland National Data Center
REB:	REB data that meet the GT25 criteria
REDB-NEIC/EDR	GT data (for REDB event) from the U.S. National Earthquake Information Center/EDR
REDB-POL_NDC	GT data (for REDB event) from the Poland National Data Center
REDB-RUS/LDEO	GT data (for REDB event) from Emanov, A.F., A.g. Filina, V.I. Khaltuin, W.-Y. Kim, and P.G. Richards, Earthquakes and large mining blasts in Southwestern Siberia, Russia, Proceedings of Workshop on IMS Location Calibration, Oslo, 12-14 January 1999
REDB-SWE_NDC	GT data (for REDB event) from the Sweden National Data Center
REDB-USA_NDC	GT data (for REDB event) from the US National Data Center
REDB:CAN_NDC	GT data (for REDB event) from the Canada National Data Center
REDB:ISR_NDC	REDB data from the Israel National Data Center
REDB:JPN_NDC	REDB data from the Japan National Data Center
REDB:PIDC_LEB	REDB data from the PIDC LEB that meet the GT10 or GT25 criteria (Bondár, I., PIDC Calibration Event Bulletin Technical Reference, CMR Technical Report CMR-98/16, 1998; Bondár, I., PIDC Ground Truth Event Bulletin Technical Reference, CMR Technical Report CMR-98/21, 1998).
REDB:PIDC_REB	REDB data from the PIDC REB that meet the GT10 or GT25 criteria (Bondár, I., PIDC Calibration Event Bulletin Technical Reference, CMR Technical Report CMR-98/16, 1998; Bondár, I., PIDC Ground Truth Event Bulletin Technical Reference, CMR Technical Report CMR-98/21, 1998)
REDB:PIDC_REDDB	REDB data from the PIDC REDB final solution that meet the GT10 or GT25 criteria (Bondár, I., PIDC Calibration Event Bulletin Technical Reference, CMR Technical Report CMR-98/16, 1998; Bondár, I., PIDC Ground Truth Event Bulletin Technical Reference, CMR Technical Report CMR-98/21, 1998)
REDB:PIDC_REV	REDB data from the PIDC REDB analyst's re-analysis that meet the GT10 or GT25 criteria (Bondár, I., PIDC Calibration Event Bulletin Technical Reference, CMR Technical Report CMR-98/16, 1998; Bondár, I., PIDC Ground Truth Event Bulletin Technical Reference, CMR Technical Report CMR-98/21, 1998)
REDB:PIDC_REV_I	REDB data from the PIDC REDB analyst's re-analysis that meet the GT10 or GT25 criteria (Bondár, I., PIDC Calibration Event Bulletin Technical Reference, CMR Technical Report CMR-98/16, 1998; Bondár, I., PIDC Ground Truth Event Bulletin Technical Reference, CMR Technical Report CMR-98/21, 1998). Work was done by Multimax Inc. and the analysis included IRIS data.

**Table 3: Data sources (*glossary table*)**

Data source	Description
RUS/LDEO	GT data from Emanov, A.F., A.G. Filina, V.I. Khaltuin, W.-Y. Kim, and P.G. Richards, Earthquakes and large mining blasts in Southwestern Siberia, Russia, Proceedings of Workshop on IMS Location Calibration, Oslo, 12-14 January 1999
RUS_NDC	GT data from the Russia National Data Center
SWE_NDC	GT data from the Sweden National Data Center
UNRSL	GT data from the Seismological Lab of University of Nevada at Reno.
USA_NDC	GT data from the United States National Data Center. Data includes DeepProbe (Levander, A., T.J. Henstock, G.R. Miller, L.W. Braile, E.D. Humphreys, and K.G. Dueker, The 1995 U.S. Deep Probe Experiment, 1995; Gorman, A.R., R.M. Clowes, and R.M. Ellis, P-Wave velocity structure of the upper mantle below southern Alberta, Canada: The 1995 Deep Probe Experiment- Moho to 410-km discontinuity, 1995)
ZAF_NDC	GT data from the South Africa National Data Center

**Table 4. Preferred data exchange format for GT information.**

Agency Name: \_\_\_\_\_

Site name: \_\_\_\_\_

Shot name: \_\_\_\_\_

DATE: \_\_\_\_\_ (GMT)

TIME: \_\_\_\_\_ (GMT) +/- \_\_\_\_\_ sec

LAT: \_\_\_\_\_ N +/- \_\_\_\_\_ km

LON: \_\_\_\_\_ E +/- \_\_\_\_\_ km

DEPTH: \_\_\_\_\_ m

Event Type: \_\_\_\_\_

(specify nuclear/chemical/mine collapse/ rock burst/...)

Yield: \_\_\_\_\_ Units: \_\_\_\_\_ (specify kt/tons/lbs/Kg/...)

Explosion Type: \_\_\_\_\_

(Single/Ripple, Contained/Uncontained, Explosive Type etc..)

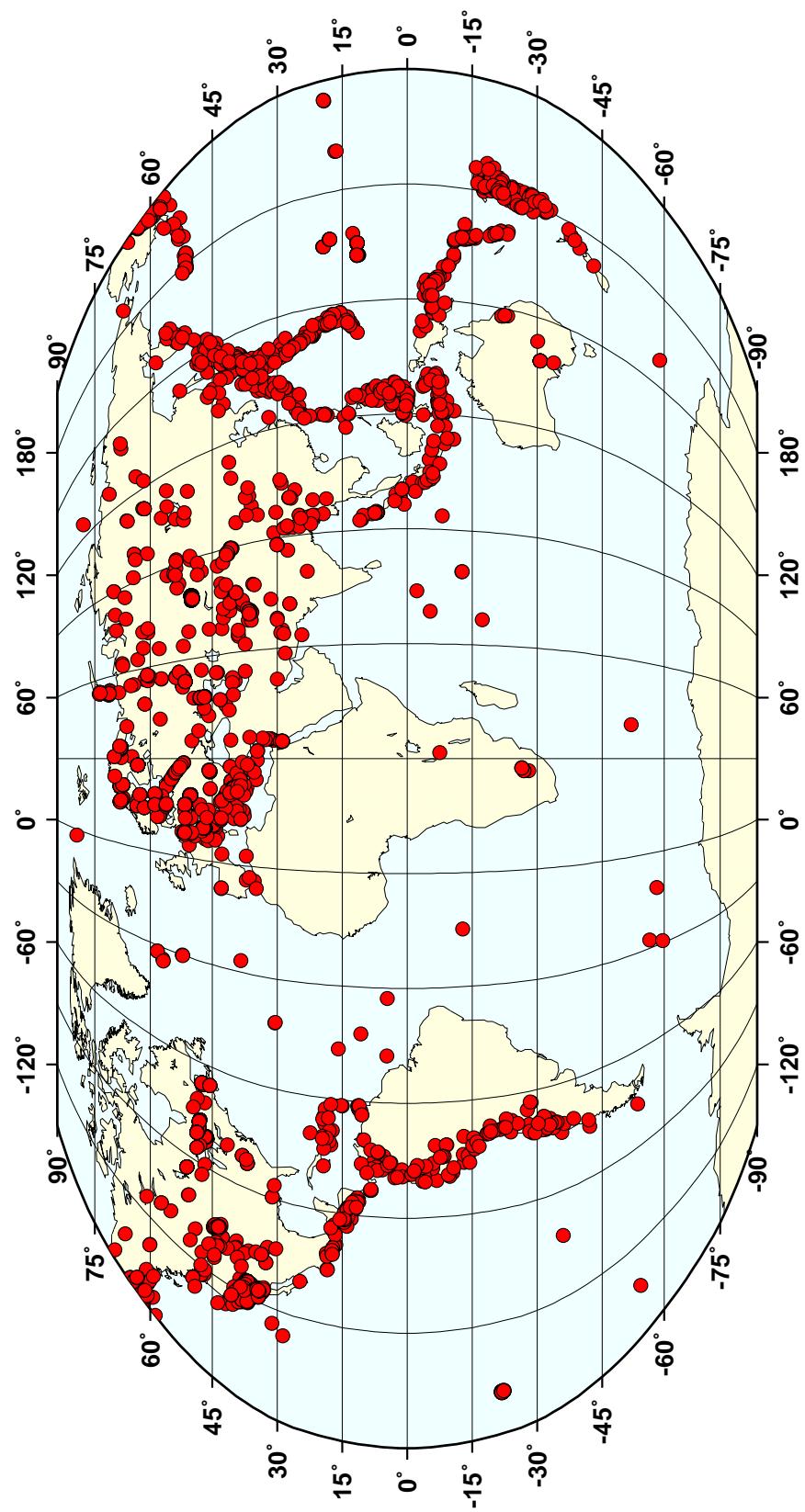
Shot Medium: \_\_\_\_\_

Crater or collapse diameter: \_\_\_\_\_ m

Collapse interval: \_\_\_\_\_ sec

Comments: \_\_\_\_\_

3881 GT events with 0-25 km accuracy

Figure 1. All GT events in the **groundtruth** database (as of August 2000).

2904 GT events with 0-10 km accuracy

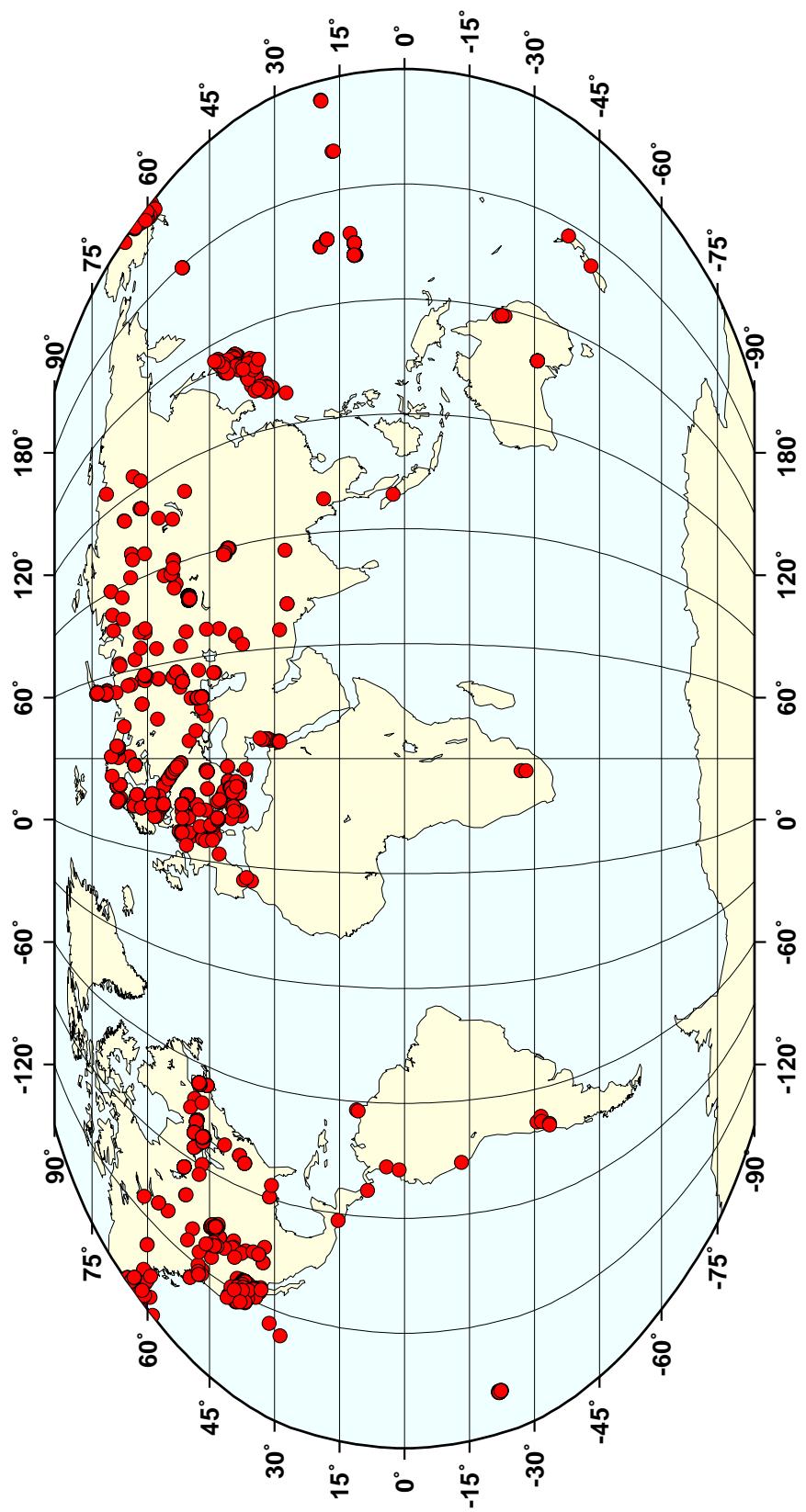


Figure 2. GT events with location accuracy better than 10 km (as of August 2000).

1182 GT0 events with 0 km accuracy

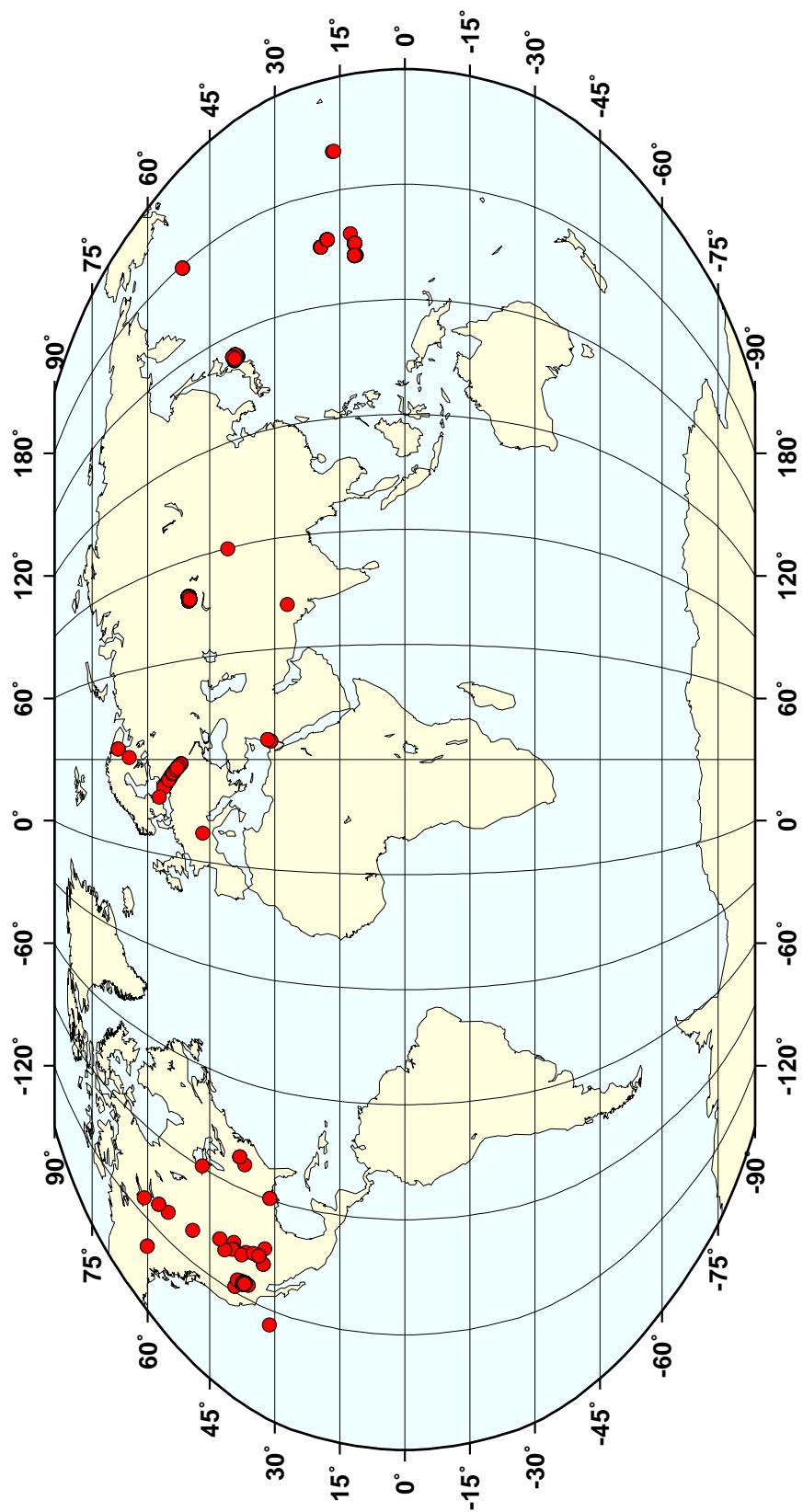


Figure 3. GT events (GT0) with location accuracy better than 0.5 km (as of August 2000).

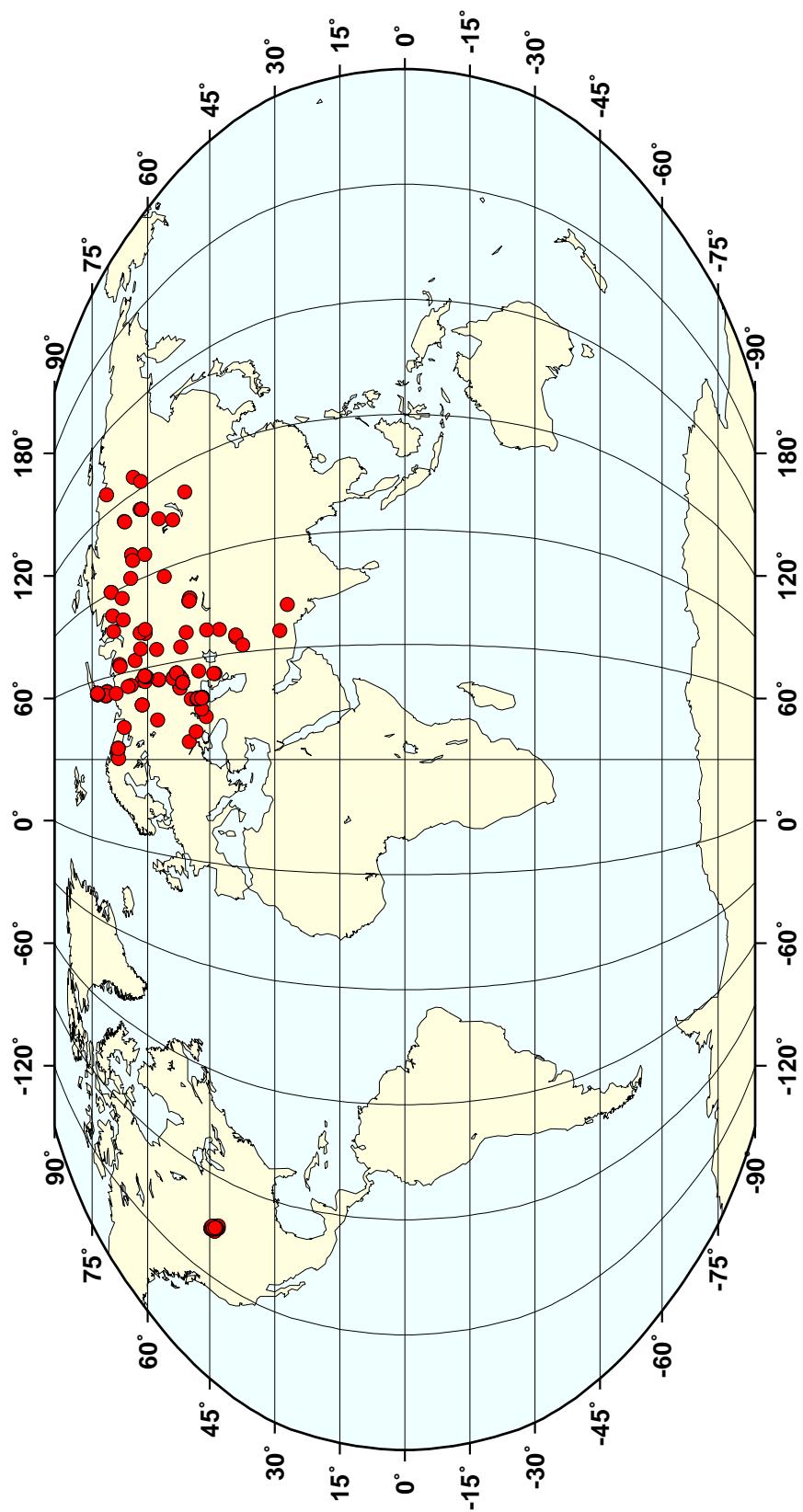
**213 GT1 events with 1 km accuracy**

Figure 4. GT events (GT1) with location accuracy better than 1 km (as of August 2000).

773 GT2 events with 2 km accuracy

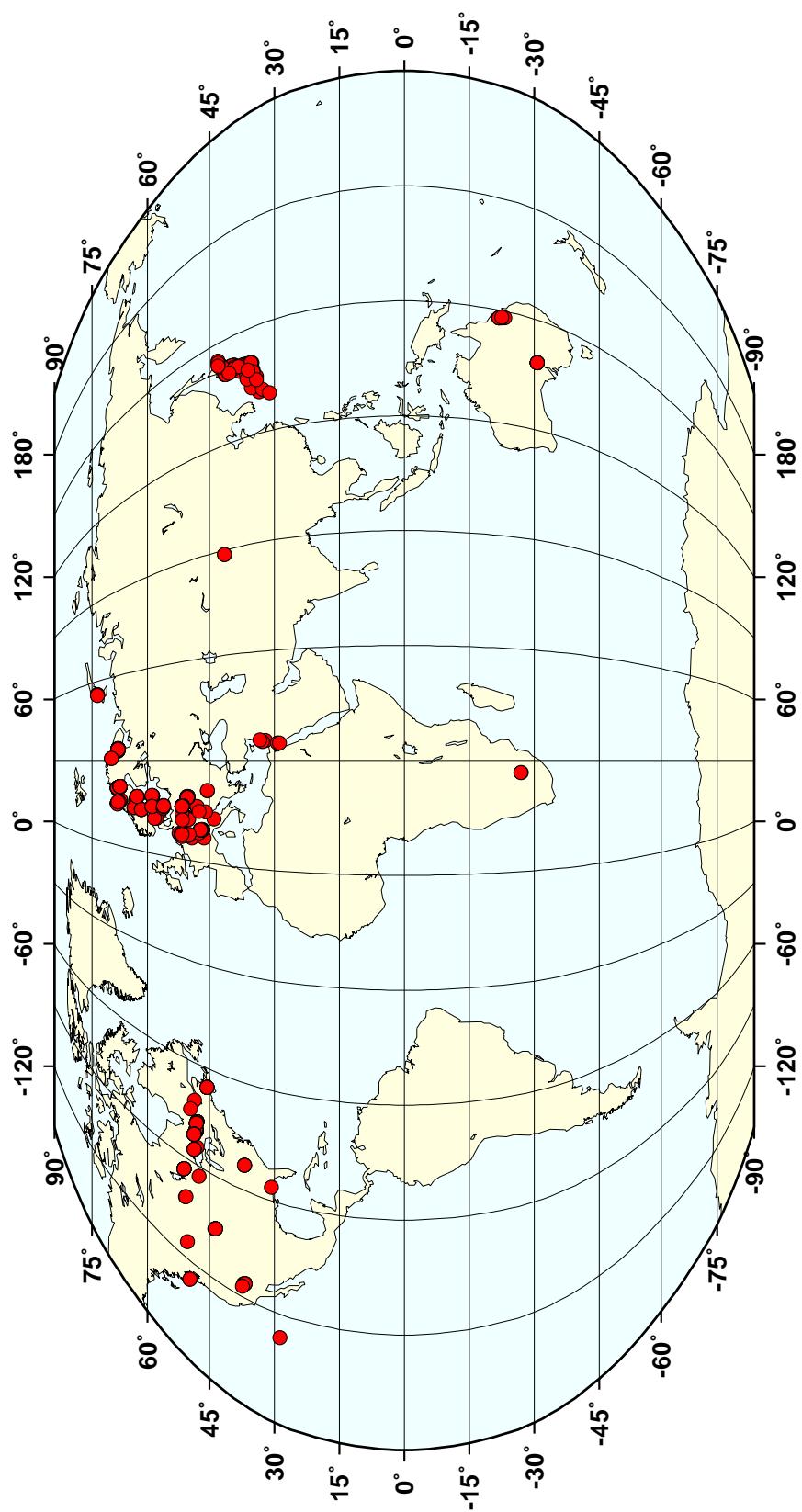


Figure 5. GT events (GT2) with location accuracy better than 2 km (as of August 2000).

308 GT5 events with 5 km accuracy

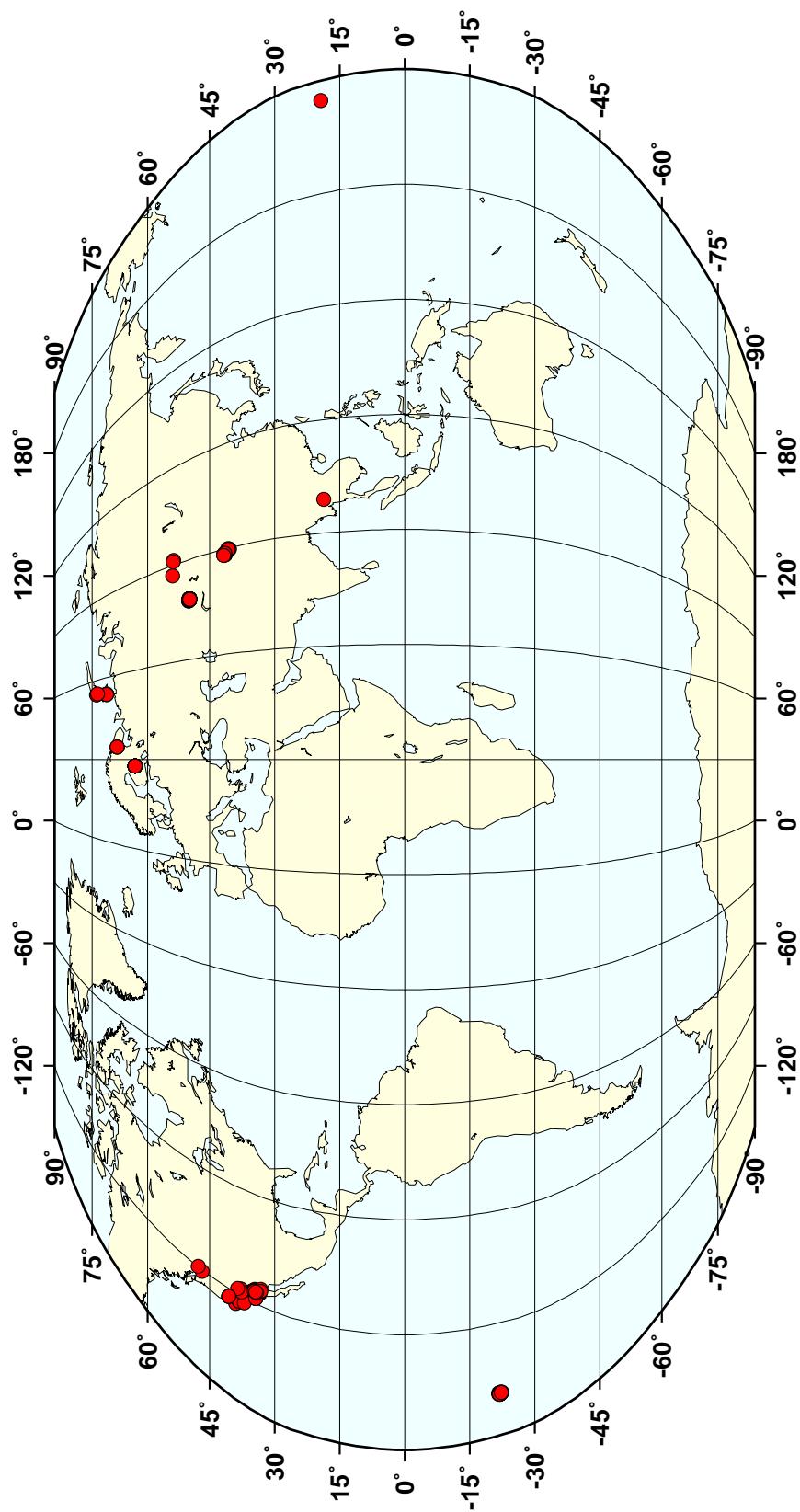


Figure 6. GT events (GT5) with location accuracy better than 5 km (as of August 2000).

1 GT7 events with 7 km accuracy

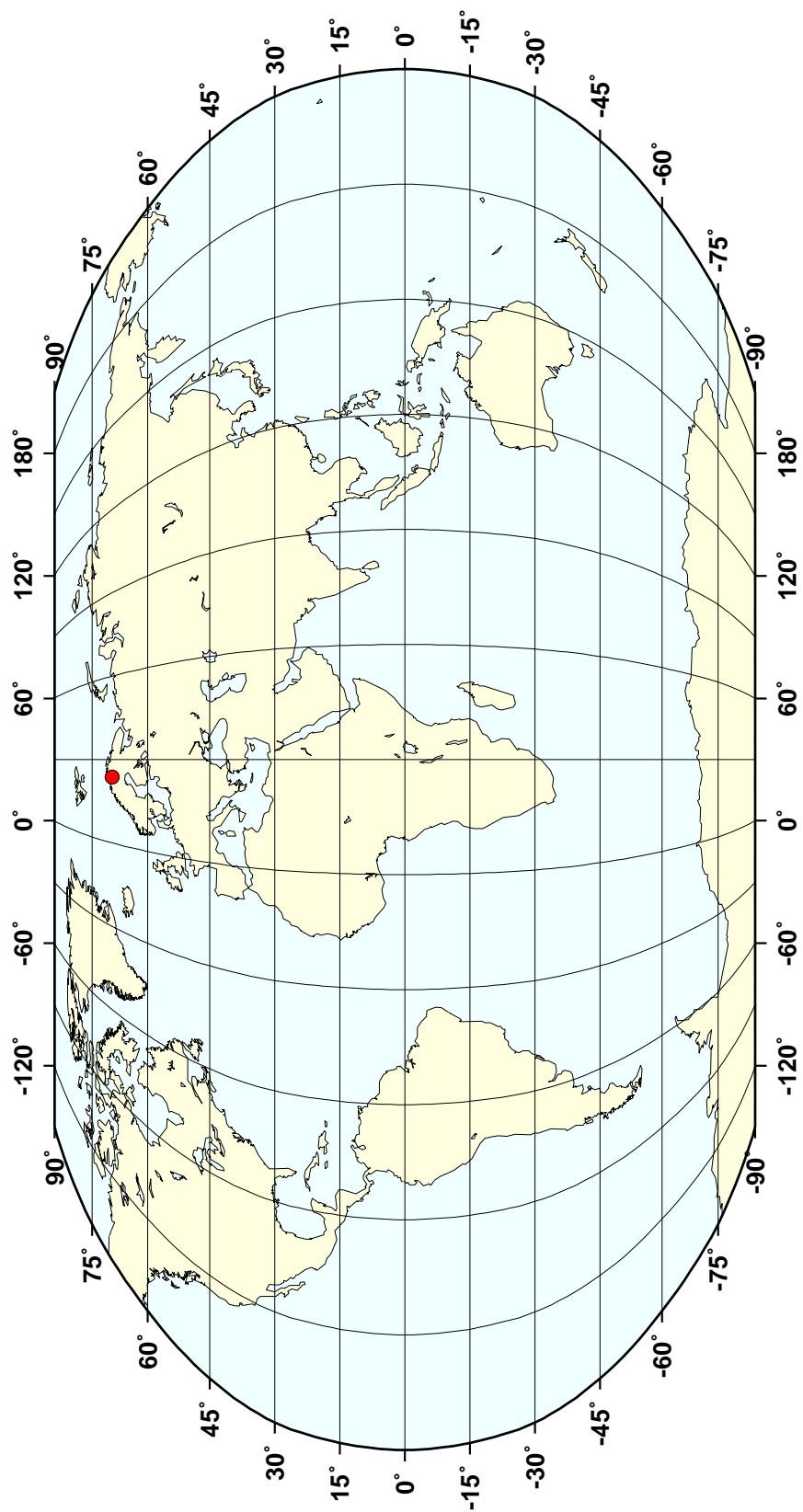


Figure 7. GT events (GT7) with location accuracy better than 7 km (as of August 2000).

427 GT10 events with 10 km accuracy

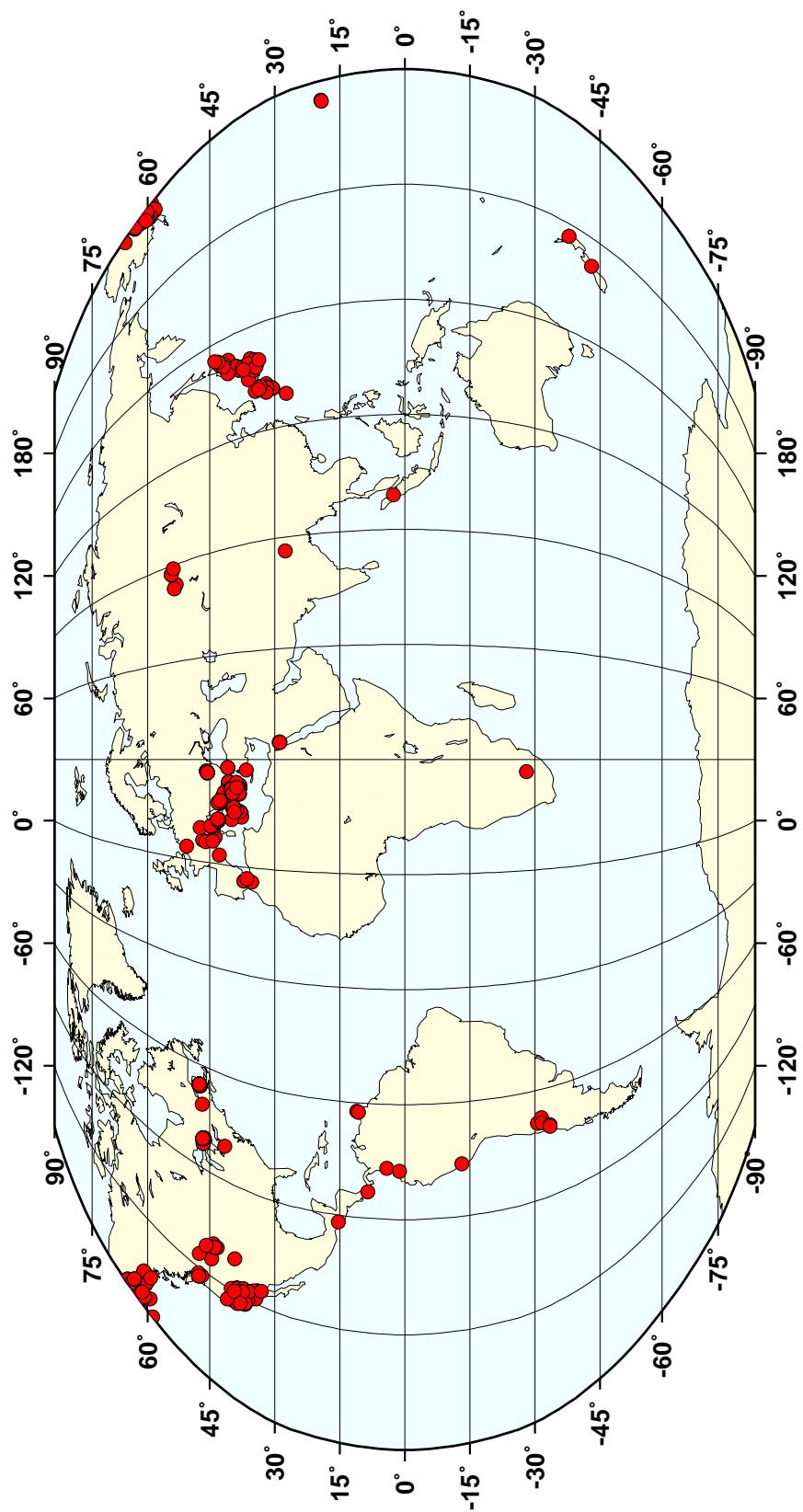


Figure 8. GT events (GT10) with location accuracy better than 10 km (as of August 2000).

977 GT25 events with 25 km accuracy

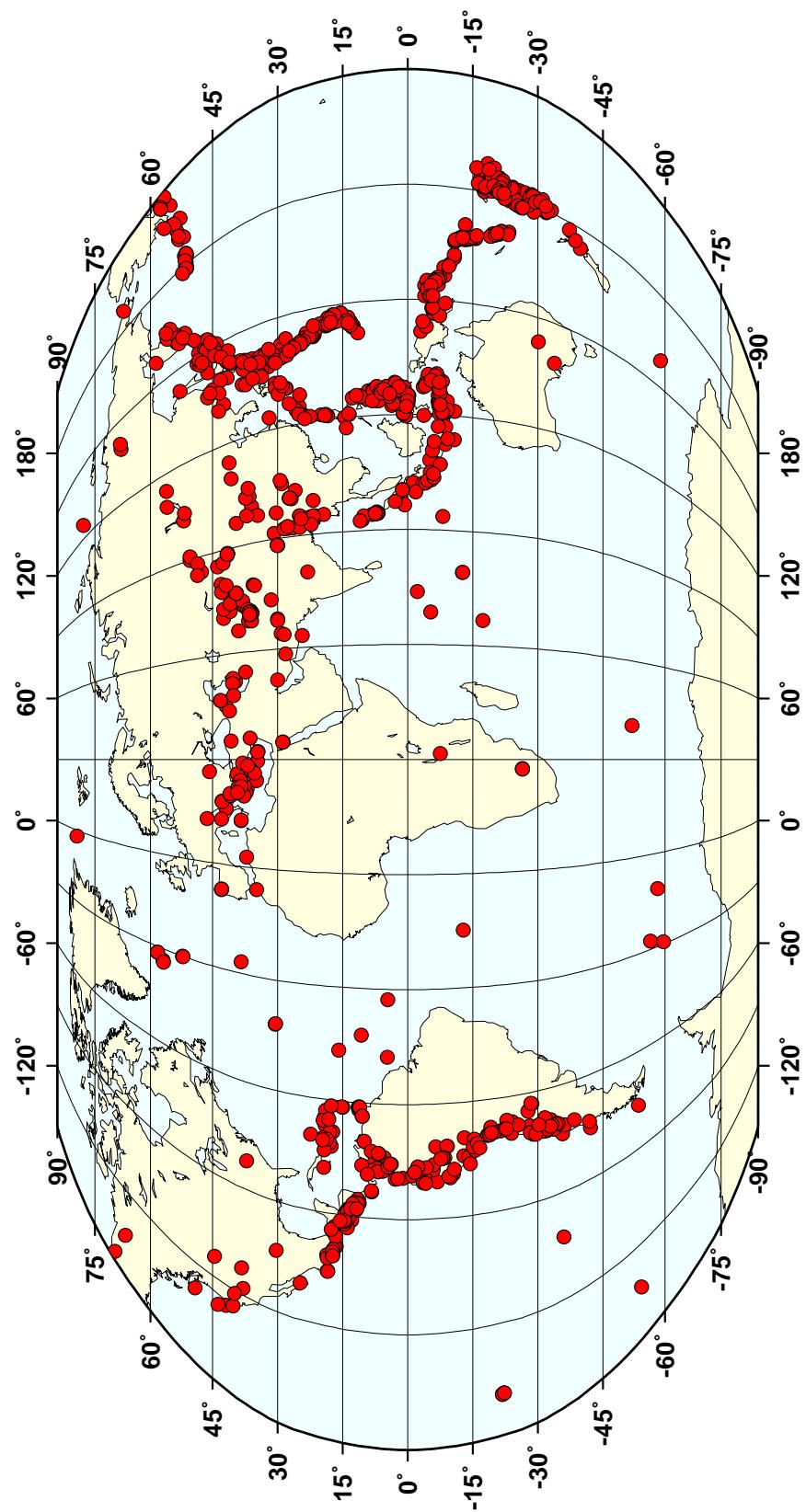


Figure 9. GT events (GT25) with location accuracy better than 25 km (as of August 2000).

## Appendix 1: *explo*, *glossary*, and *location* tables

In this Appendix the schema for the *explo*, *glossary*, and *location* tables is provided. These tables are not in the current schema given in the IDC Documentation, but will be included in the next revision of the schema.

For each table, table format, table attributes, and SQL script for creating the table are described. For the attributes identical to those in the schema in the IDC Documentation, descriptions are not duplicated here but they are simply noted as “Already defined in the schema”. Attributes are described in details if they are somewhat different from those already in the schema in the IDC Documentation.

### 1.1 *explo* table

The *explo* table is used to store explosion related parameters such as yield, medium, test site, and explosion type. This table is used in the **explosion**, **groundtruth**, and **hydroacoustic** (Yang et al., 2000b) databases.

The *explo* table was originally defined in the CSS 2.8 schema (Brennan, 1987), and later adapted into a more consistent format with the CSS 3.0 schema (Anderson et al., 1990) by Yang et al. (1997; 1998; 1999). The schema described below further incorporate information on explosion type and location description. We also ensure the attribute names are more descriptive in this revision.

#### 1. Table format:

Relation: <i>explo</i> Description: Information on explosions					
attribute name	field no.	storage type	external format	character position	attribute description
orid	1	i4	i8	1-8	origin id
evid	2	i4	i8	10-17	event id
name	3	c32	a32	19-50	shot name
elev	4	f4	f9.4	52-60	surface elevation (km)
yield	5	f4	f9.3	62-70	yield (kt.)
yldmax	6	f4	f9.3	72-80	upper limit of yield range
medium	7	c48	a48	82-129	shot medium
moist	8	f4	f5.2	131-135	moisture content
waterdepth	9	f4	f7.4	137-143	depth of static water table (km)
paleodepth	10	f4	f7.4	145-151	depth of Paleozoic layer (km)
col_interval	11	f4	f10.0	153-162	collapse interval (second)
col_diameter	12	f4	f7.4	164-170	collapse diameter (km)
col_depth	13	f4	f7.4	172-178	collapse depth (km)
col_volume	14	f4	f10.7	180-189	collapse volume (km***3)
testsite	15	c15	a15	191-205	test site name

Relation:	<i>explo</i>				
Description:	<b>Information on explosions</b>				
<b>expcode</b>	16	c10	a10	207-216	explosion type code
<b>exptype</b>	17	c15	a15	218-232	explosion type
<b>locid</b>	18	c30	a30	234-263	location id
<b>auth</b>	19	c15	a15	265-279	author
<b>commid</b>	20	i4	i8	281-288	comment identifier
<b>lddate</b>	21	date	a17	290-306	load date

## 2. Table attributes:

Name:	orid
Relations:	<i>explo</i>
Description:	Origin identification.
	<b>Already defined in schema</b>
Name:	evid
Relations:	<i>explo</i>
Description:	Event identification.
	<b>Already defined in schema</b>
Name:	name
Relations:	<i>explo</i>
Description:	Shot name.
ORACLE:	VARCHAR2(32)
NA value	-
Range:	Any string up to 32 characters long
Name:	elev
Relations:	<i>explo</i>
Description:	Surface elevation above shot point, geodetically measured, relative to mean sea level.
ORACLE:	FLOAT(24)
NA value	-999.0
Unites	Kilometers
Range:	-10.0 <= elev <=10.0
Name:	yield
Relations:	<i>explo</i>
Description:	Explosion yield. If yldmax is given, then yield is an estimated lower limit.
ORACLE:	FLOAT(24)
NA value	-1
Unites	kt
Range:	yield > 0.0
Name:	yldmax
Relations:	<i>explo</i>

---

Description:	Estimated upper limit of yield.
ORACLE:	FLOAT(24)
NA value	-1
Unites	kt
Range:	yldmax > 0.0
Name:	medium
Relations:	<i>explo</i>
Description:	Shot medium.
ORACLE:	VARCHAR2(48)
NA value	-
Range:	Any string up to 48 characters long
Name:	moist
Relations:	<i>explo</i>
Description:	Moisture content of medium at shot point. Given as a proportion to weight: X is equivalent to X*100%.
ORACLE:	FLOAT(24)
NA value	-1
Range:	moist <= 1.0
Name:	waterdepth
Relations:	<i>explo</i>
Description:	Depth of static water table level. Depth from surface zero to the piezometric surface in pre-Tertiary rocks, or to the composite piezometric surface.
ORACLE:	FLOAT(24)
NA value	-1
Unites	Kilometers
Range:	waterdepth >= 0.0
Name:	paleodepth
Relations:	<i>explo</i>
Description:	Depth to Paleozoic layer. Measured from the surface.
ORACLE:	FLOAT(24)
NA value	-1
Unites	Kilometers
Range:	paleodepth >= 0.0
Name:	col_interval
Relations:	<i>explo</i>
Description:	Collapse interval. Time interval after shot time (in seconds) of collapse.
ORACLE:	FLOAT(24)
NA value	-1
Unites	Seconds.
Range:	col_interval >= 0.0
Name:	col_diameter

---

---

Relations:	<i>explo</i>
Description:	Diameter of collapse crater.
ORACLE:	FLOAT(24)
NA value	-1
Unites	Kilometers
Range:	col_diameter >= 0.0
Name:	col_depth
Relations:	<i>explo</i>
Description:	Depth of collapse crater. Depth of the deepest point of the collapse crater relative to the original ground surface.
ORACLE:	FLOAT(24)
NA value	-1
Unites	Kilometers
Range:	col_depth >= 0.0
Name:	col_volume
Relations:	<i>explo</i>
Description:	Volume of collapse crater.
ORACLE:	FLOAT(24)
NA value	-1
Unites	$km^3$
Range:	col_volume >= 0.0
Name:	testsite
Relations:	<i>explo</i>
Description:	test site region.
ORACLE:	VARCHAR2(15)
NA value	-
Range:	Any string up to 15 characters long
Name:	expcode
Relations:	<i>explo</i>
Description:	Explosion type code. Four-character code indicates the type and setting of the explosion.
	Character 1: Type of explosion. N-nuclear.C-Chemical.
	Character 2: A-air; W-water; U-underground.
	Character 3: C-confirmed; P: presumed.
	Character 4: U-US; S-USSR; F-France;C-China; I-India;G-Great Britain;P-Pakistan.
	Five-character code: same as the four-character code except that characters 4-5 indicate the joined countries USA and GBR.
	Ten-character code indicates multiple shots: e.g. NUCS_SALVO.
	Character '-' is used for unknown in any character position.
ORACLE:	VARCHAR2(10)
Range:	Upper case string up to 10 characters long

---

---

Name:	<b>exptype</b>
Relations:	<i>explo</i>
Description:	Explosion type. (‘Air’ ‘Airburst’, ’Airdrop’, ’Balloon’, ’Barge’, ’Rocket’, ’Space’, ’Surface’, ’Tower’) correspond to <b>expcode</b> like ‘_A%’. (’Tunnel’, ’Shaft’, ’Crater’) correspond to <b>expcode</b> like ‘_U%’. (’Underwater’, ’Water Surface’) correspond to <b>expcode</b> like ‘_W%’.
ORACLE:	VARCHAR2(15)
Range:	Any string up to 15 characters long
Name:	<b>locid</b>
Relations:	<i>explo</i>
Description:	Location identification code.
ORACLE:	VARCHAR2(30)
NA Value:	-
Range:	Any string up to 30 characters long
Name:	<b>auth</b>
Relations:	<i>explo</i>
Description:	Author.
<b>Already defined in schema</b>	
Name:	<b>commid</b>
Relations:	<i>explo</i>
Description:	Comment identifier.
<b>Already defined in schema</b>	
Name:	<b>lddate</b>
Relations:	<i>explo</i>
Description:	Load date.
<b>Already defined in schema</b>	

---

### 3. SQL script for creating the table: explo30\_cre.sql

```

rem explo30_cre.sql
rem
rem DESCRIPTION
rem This creates the explo relation for the 3.0+ database
rem definition.
rem
rem SccsID: @(#)explo30_cre.sql      05/2000
rem
accept tname prompt "Enter the tablename to have the structure of explo: "
create table &tname (
    ORID          NUMBER(8) NOT NULL,

```

---

```

EVID          NUMBER(8) NOT NULL,
NAME          VARCHAR2(32),
ELEV          FLOAT(24),
YIELD          FLOAT(24),
YLDMAX        FLOAT(24),
MEDIUM        VARCHAR2(48),
MOIST          FLOAT(24),
WATERDEPTH    FLOAT(24),
PALEODEPTH    FLOAT(24),
COL_INTERVAL  FLOAT(24),
COL_DIAMETER  FLOAT(24),
COL_DEPTH     FLOAT(24),
COL_VOLUME    FLOAT(24),
TESTSITE      VARCHAR2(15),
EXPCODE       VARCHAR2(10),
EXPTYPE       VARCHAR2(15),
LOCID          VARCHAR2(30),
AUTH           VARCHAR2(15),
COMMID         NUMBER(8),
LDDATE         DATE
);

```

## 1.2 *glossary* table

This table is used for storing information on metadata, such as references on data sources as well as various abbreviations used in the database, e.g. explosion type in the **explosion** database. This table is used in the databases whose information comes from diverse data sources, including the **explosion**, **groundtruth**, **redb** (Reference Event Database; Yang et al., 2000d), and **hydroacoustic** (Yang et al., 2000b) databases.

### 1. Table format:

Relation: Description:	<i>glossary</i> <b>Information on abbreviations</b>				
attribute name	field no.	storage type	external format	character position	attribute description
abbrev	1	c16	a16	1-16	abbreviation name
abbrevtype	2	c16	a16	18-33	abbreviation type
lineno	3	i4	i8	35-42	description line number
descrip	4	c80	a80	44-123	description
dir	5	c64	a64	125-188	directory

Relation:	<i>glossary</i>				
Description:	<b>Information on abbreviations</b>				
dfile	6	c32	a32	190-221	data file
lddate	7	date	a17	223-239	load date

## 2. Table attributes:

Name:	abbrev
Relations:	<i>glossary</i>
Description:	Abbreviation name. This information is in the <i>origin</i> , <i>explo</i> , or <i>remark</i> tables
ORACLE:	VARCHAR2(16)
NA Value:	NOT ALLOWED
Range:	Any string up to 16 characters
Name:	abbrevtype
Relations:	<i>glossary</i>
Description:	Abbreviation type. Unique abbreviation identifier: GT category, data source, explosion type, test site.
ORACLE:	VARCHAR2(16)
NA Value:	-
Range:	Any string up to 16 characters
Name:	lineno
Relations:	<i>glossary</i>
Description:	Line number.
<b>Already defined in schema</b>	
Name:	descrip
Relations:	<i>glossary</i>
Description:	Description of the abbreviation.
ORACLE:	VARCHAR2(80)
NA Value:	-
Range:	Any string up to 80 characters
Name:	dir
Relations:	<i>glossary</i>
Description:	Directory of a path name for metadata
<b>Already defined in schema</b>	
Name:	dfile
Relations:	<i>glossary</i>
Description:	Data file name of metadata.
<b>Already defined in schema</b>	
Name:	lddate
Relations:	all

---

Description:	Load date.
	<b>Already defined in schema</b>

---

### 3. SQL script for creating the table: glossary30\_cre.sql

```

rem FILE
rem glossary30_cre.sql
rem
rem DESCRIPTION
rem This creates the glossary relation for the 3.0+ database
rem definition.
rem
rem SccsID: @(#)glossary30_cre.sql 05/2000
rem
accept tname prompt "Enter the tablename to have the structure of glossary: "
create table &tname (
    ABBREV          VARCHAR2(16) NOT NULL,
    ABBREVTYP      VARCHAR2(16),
    LINENO          NUMBER(8) NOT NULL,
    DESCRIPT        VARCHAR2(80),
    DIR             VARCHAR2(64),
    DFILE           VARCHAR2(32),
    LDDATE          DATE
);

```

### 1.3 *location* table

The *location* table is used to store information on mines and test sites. It is used in the **explosion** and **groundtruth** databases.

This table is a somewhat expansion of the *mine* table, originally defined in the CSS 3.0 schema extension (Swanger et al., 1993), and later revised for the **groundtruth** database (Yang et al., 2000c). The schema described below is useful for both mines and test sites.

---

1. Table format:

Relation:	<i>location</i> <b>Locations of known mine sites/test sites</b>				
attribute name	field no.	storage type	external format	character position	attribute description
locname	1	c15	a15	1-15	location name
sublocname	2	c25	a25	17-41	sub-location name
locid	3	c30	a30	43-72	location id
lat	4	f4	f9.4	74-82	latitude
lon	5	f4	f9.4	84-92	longitude
elev	6	f4	f9.4	94-102	surface elevation (km)
edepth	7	f4	f9.4	104-112	emplacement depth
descrip	8	c50	a50	114-163	text description
auth	9	c15	a15	165-179	author
commid	10	i4	i8	181-188	comment identifier
lddate	11	date	a17	190-206	load date

2. Table attributes:

---

Name	locname
Relations:	<i>location</i>
Description:	Location name
ORACLE:	VARCHAR2(15)
NA Value:	-
Range:	Any string up to 15 characters
Name	sublocname
Relations:	<i>location</i>
Description:	Sub-location name
ORACLE:	VARCHAR2(25)
NA Value:	-
Range:	Any string up to 25 characters
Name:	locid
Relations:	<i>location</i>
Description:	Location identification code.
ORACLE:	VARCHAR2(30)
Range:	Any string up to 30 characters
Name:	lat
Relations:	<i>location</i>
Description:	Geographic latitude.
	<b>Already defined in schema</b>
Name:	lon

---

---

Relations:	<i>location</i>
Description:	Geographic longitude.
<b>Already defined in schema</b>	
Name:	elev
Relations:	<i>location</i>
Description:	Surface elevation of a mine/test site relative to mean sea level.
ORACLE:	FLOAT(24)
NA value	-999.0
Units	Kilometers
Range:	-10.0 <= elev <=10.0
Name:	edepth
Relations:	<i>location</i>
Description:	Emplacement depth.
ORACLE:	FLOAT(24)
NA Value:	-999.0
Units	Kilometers
Range:	edepth >= 0.0
Name:	descrip
Relations:	<i>location</i>
Description:	Descriptive information on the location.
ORACLE:	VARCHAR2(50)
NA Value:	-
Range:	Any string up to 50 characters
Name:	auth
Relations:	<i>location</i>
Description:	Author.
<b>Already defined in schema</b>	
Name:	commid
Relations:	<i>location</i>
Description:	Comment identifier.
<b>Already defined in schema</b>	
Name:	lddate
Relations:	<i>location</i>
Description:	Load date.
<b>Already defined in schema</b>	

---

### 3. SQL script for creating the table: location30\_cre.sql

```
rem FILE
rem location30_cre.sql
```

---

```
rem
rem DESCRIPTION
rem This creates the location relation for the 3.0+ database
rem definition.
rem
remScsID: @(#)location30_cre.sql 05/2000
rem
accept tname prompt "Enter the tablename to have the structure of location: "
create table &tname (
    LOCNAME      VARCHAR2(15),
    SUBLOCNAME   VARCHAR2(25),
    LOCID        VARCHAR2(30) NOT NULL,
    LAT          FLOAT(24),
    LON          FLOAT(24),
    EDEPTH       FLOAT(24),
    ELEV         FLOAT(24),
    DESCRIPT     VARCHAR2(50),
    AUTH         VARCHAR2(15),
    COMMID       NUMBER(8),
    LDDATE       DATE
);
```

## Appendix 2: Event lists by categories

The events in the GT database are listed by categories, GT0, GT1, GT2, GT5, GT7, and GT10, where GTX includes events with X km location accuracy. The format of the list is: jdate, date, time (GMT), latitude (degree), longitude (degree), depth (km), mb, and data source for GT0-GT7. Information is extracted from the *origin* table. For GT10 additional information on origin is also included: jdate, date, time (GMT), latitude (degree), longitude (degree), depth (km), mb, number of stations, azimuthal gap (degree), distance to the closest station (degree), and data source. Data sources, i.e. authors, are given in Table 3. Additional information, if absent here, on an event (such as origin time and magnitude) may be found in its corresponding database (Section 2), since the main focus of the **groundtruth** database is to give as accurate coordinates as possible.

**GT0**

jdate	date	time	latitude	longitude	depth	mb	source
1945197	1945/07/16	11:29:21.0	33.6753	-106.4747	-0.03		EX:G+P
1951097	1951/04/07	17:33:57.8	11.5558	162.3544	-0.09		EX:G+P
1951110	1951/04/20	17:27:00.1	11.6689	162.2403	-0.09		EX:G+P
1951128	1951/05/08	20:30:00.7	11.6269	162.3147	-0.06		EX:G+P
1951144	1951/05/24	17:16:59.3	11.6730	162.2486	-0.06		EX:G+P
1951295	1951/10/22	14:00:00.0	37.0839	-116.0239	-0.03		EX:G+P
1951301	1951/10/28	15:20:08.9	37.0850	-116.0200	-0.34		EX:G+P
1951303	1951/10/30	15:00:29.8	37.0850	-116.0203	-0.35		EX:G+P
1951305	1951/11/01	15:30:01.6	37.0847	-116.0197	-0.43		EX:G+P
1951309	1951/11/05	16:29:58.2	37.0919	-116.0244	-0.40		EX:G+P
1951323	1951/11/19	16:59:59.7	37.1317	-116.0386	-0.00		EX:G+P
1951333	1951/11/29	19:59:59.7	37.1697	-116.0425	0.01		EX:G+P
1952092	1952/04/01	17:00:07.5	36.7983	-115.9356	-0.24		EX:G+P
1952106	1952/04/15	17:29:57.1	37.0842	-116.0194	-0.34		EX:G+P
1952113	1952/04/22	17:30:10.0	37.0844	-116.0203	-1.05		EX:G+P
1952122	1952/05/01	16:29:59.1	37.0842	-116.0203	-0.32		EX:G+P
1952128	1952/05/07	12:14:59.3	37.0531	-116.1056	-0.09		EX:G+P
1952146	1952/05/25	11:59:59.6	37.0956	-116.1056	-0.09		EX:G+P
1952153	1952/06/01	11:54:59.8	37.0481	-116.0211	-0.09		EX:G+P
1952157	1952/06/05	11:55:00.3	37.1386	-116.1178	-0.09		EX:G+P
1952305	1952/10/31	19:14:59.4	11.2372	162.1964	-0.01		EX:G+P
1952320	1952/11/15	23:30:00.0	11.5622	162.3525	-0.45		EX:G+P
1953076	1953/03/17	13:20:00.3	37.0478	-116.0211	-0.09		EX:G+P
1953083	1953/03/24	13:10:00.0	37.0956	-116.1028	-0.09		EX:G+P
1953090	1953/03/31	13:00:00.0	37.0828	-116.0239	-0.09		EX:G+P
1953096	1953/04/06	15:29:38.4	37.0847	-116.0180	-1.83		EX:G+P
1953101	1953/04/11	12:44:59.8	37.0989	-116.0925	-0.03		EX:G+P
1953108	1953/04/18	12:35:00.0	37.1383	-116.1178	-0.09		EX:G+P
1953115	1953/04/25	12:29:59.8	37.0531	-116.1028	-0.09		EX:G+P
1953128	1953/05/08	15:29:55.4	36.5000	-115.9289	-0.74		EX:G+P
1953139	1953/05/19	12:04:59.5	37.0403	-116.0253	-0.09		EX:G+P
1953145	1953/05/25	15:30:00.3	36.7931	-115.9147	-0.16		EX:G+P
1953155	1953/06/04	11:14:56.7	37.0875	-116.0183	-0.41		EX:G+P
1954059	1954/02/28	18:45:00.0	11.6908	165.2736			EX:G+P
1954085	1954/03/26	18:30:00.4	11.6908	165.2730			EX:G+P
1954096	1954/04/06	18:20:00.4	11.4967	165.3675			EX:G+P
1954115	1954/04/25	18:10:00.6	11.6664	165.3872			EX:G+P
1954124	1954/05/04	18:10:00.1	11.6656	165.3869			EX:G+P
1954133	1954/05/13	18:20:00.1	11.6705	162.1964			EX:G+P
1955049	1955/02/18	19:59:59.2	37.0867	-116.0219	-0.23		EX:G+P
1955053	1955/02/22	13:45:00.0	37.0478	-116.0211	-0.09		EX:G+P
1955060	1955/03/01	13:30:00.3	37.1255	-116.0475	-0.09		EX:G+P

**GT0**

jdate	date	time	latitude	longitude	depth	mb	source
1955066	1955/03/07	13:20:00.2	37.1383	-116.1175	-0.15		EX:G+P
1955071	1955/03/12	13:19:59.8	37.0403	-116.0253	-0.09		EX:G+P
1955081	1955/03/22	13:04:59.9	37.0947	-116.0239	-0.15		EX:G+P
1955082	1955/03/23	20:30:00.0	37.1683	-116.0439	0.02		EX:G+P
1955088	1955/03/29	12:55:00.1	37.0956	-116.1028	-0.15		EX:G+P
1955088	1955/03/29	17:59:54.8	37.0867	-116.0578	-0.23		EX:G+P
1955096	1955/04/06	18:00:04.1	37.0286	-116.0578	-11.16		EX:G+P
1955099	1955/04/09	12:30:00.2	37.1222	-116.0344	-0.09		EX:G+P
1955105	1955/04/15	19:15:00.3	36.7981	-115.9289	-0.12		EX:G+P
1955125	1955/05/05	12:10:00.0	36.0531	-116.1025	-0.15		EX:G+P
1955135	1955/05/15	11:59:59.9	37.0947	-116.0239	-0.15		EX:G+P
1956125	1956/05/04	18:25:29.9	11.5578	162.3550			EX:G+P
1956141	1956/05/20	17:50:38.7	11.6683	165.3942	-1.32		EX:G+P
1956148	1956/05/27	17:56:00.3	11.4967	165.3692			EX:G+P
1956151	1956/05/30	18:15:29.3	11.5444	162.3644	-0.09		EX:G+P
1956158	1956/06/06	00:55:30.0	11.6764	162.2222			EX:G+P
1956163	1956/06/11	18:26:00.1	11.6000	165.4514			EX:G+P
1956163	1956/06/11	18:26:00.3	11.5511	162.3586	-0.06		EX:G+P
1956168	1956/06/16	01:13:53.1	11.5467	162.3608	-0.21		EX:G+P
1956177	1956/06/25	18:06:00.2	11.6028	165.4514			EX:G+P
1956190	1956/07/08	18:06:00.2	11.6714	162.2003			EX:G+P
1956192	1956/07/10	17:56:00.3	11.6633	165.3872			EX:G+P
1956202	1956/07/20	17:46:00.0	11.6739	165.3394			EX:G+P
1956203	1956/07/21	18:16:00.1	11.6719	162.3692			EX:G+P
1957148	1957/05/28	11:55:00.2	37.0947	-116.0236	-0.15		EX:G+P
1957153	1957/06/02	11:54:59.9	37.0478	-116.0211	-0.09		EX:G+P
1957156	1957/06/05	11:45:00.3	37.1347	-116.0408	-0.15		EX:G+P
1957169	1957/06/18	11:45:00.3	37.1347	-116.0408	-0.15		EX:G+P
1957175	1957/06/24	13:30:00.1	37.7981	-115.9289	-0.21		EX:G+P
1957186	1957/07/05	11:40:00.1	37.1347	-116.0408	-0.46		EX:G+P
1957196	1957/07/15	11:30:00.1	37.1503	-116.1086	-0.15		EX:G+P
1957200	1957/07/19	14:00:04.6	37.1606	-116.0531	-9.14		EX:G+P
1957206	1957/07/25	13:29:59.7	37.1347	-116.0408	-0.15		EX:G+P
1957207	1957/07/26	08:00:00.0	37.0518	-116.0334	0.15		EX:AEC
1957219	1957/08/07	12:25:00.2	37.0867	-116.0236	-0.46		EX:G+P
1957222	1957/08/10	00:59:55.1	37.1939	-116.0333			EX:G+P
1957230	1957/08/18	12:00:00.0	37.1280	-116.1064	-0.15		EX:G+P
1957235	1957/08/23	12:30:00.1	37.0867	-116.0236	-0.46		EX:G+P
1957239	1957/08/27	22:35:00.0	37.0491	-116.0340	0.15		EX:AEC
1957242	1957/08/30	12:39:59.9	37.0867	-116.0236	-0.23		EX:G+P
1957243	1957/08/31	12:30:00.0	37.1872	-116.0678	-0.21		EX:G+P
1957245	1957/09/02	12:40:00.0	37.0531	-116.1025	-0.15		EX:G+P
1957249	1957/09/06	12:45:00.0	37.1347	-116.0408	-0.15		EX:G+P

**GT0**

jdate	date	time	latitude	longitude	depth	mb	source
1957251	1957/09/08	12:59:59.8	37.0867	-116.0236	-0.23		EX:G+P
1957257	1957/09/14	16:44:59.8	37.0336	-116.0314	-0.15		EX:G+P
1957259	1957/09/16	12:49:59.9	37.0867	-116.0236	-0.46		EX:G+P
1957262	1957/09/19	16:59:59.5	37.1958	-116.2031	0.24		EX:G+P
1957266	1957/09/23	12:29:59.8	37.1383	-116.1175	-0.15		EX:G+P
1957271	1957/09/28	12:59:59.9	37.1347	-116.0408	-0.46		EX:G+P
1957280	1957/10/07	13:00:00.1	37.1347	-116.0408	-0.15		EX:G+P
1957340	1957/12/06	20:15:00.0	37.0499	-116.0309	0.08		EX:AEC
1958118	1958/04/28	02:40:00.3	12.6167	168.0250	-26.21		EX:G+P
1958125	1958/05/05	18:15:00.1	11.5564	162.3542			EX:G+P
1958131	1958/05/11	17:50:00.1	11.6908	165.2736			EX:G+P
1958131	1958/05/11	18:15:00.1	11.5411	162.3506			EX:G+P
1958132	1958/05/12	18:30:00.1	11.6750	162.2056			EX:G+P
1958136	1958/05/16	01:30:00.5	11.3447	162.1789	0.15		EX:G+P
1958140	1958/05/20	18:30:00.1	11.5439	162.3561			EX:G+P
1958141	1958/05/21	21:20:00.2	11.4961	165.3708			EX:G+P
1958146	1958/05/26	02:00:00.1	11.6603	162.2253			EX:G+P
1958146	1958/05/26	18:00:00.1	11.5428	162.3539			EX:G+P
1958150	1958/05/30	02:15:00.2	11.6633	162.2300			EX:G+P
1958151	1958/05/31	03:00:00.1	11.6908	165.2736			EX:G+P
1958153	1958/06/02	18:45:00.1	11.5411	162.3517			EX:G+P
1958159	1958/06/08	18:15:00.2	11.3808	162.2192	0.05		EX:G+P
1958161	1958/06/10	17:30:00.1	11.6872	165.4150			EX:G+P
1958165	1958/06/14	17:30:00.1	11.6908	165.2733			EX:G+P
1958165	1958/06/14	18:30:00.1	11.6603	162.2253			EX:G+P
1958169	1958/06/18	03:00:00.1	11.5442	162.3564			EX:G+P
1958178	1958/06/27	17:30:00.1	11.6872	165.4150			EX:G+P
1958178	1958/06/27	18:30:00.1	11.6633	162.2300			EX:G+P
1958179	1958/06/28	19:30:00.1	11.6078	162.1078			EX:G+P
1958180	1958/06/29	00:00:00.1	11.4961	162.3708			EX:G+P
1958182	1958/07/01	18:30:00.1	11.5442	162.3564			EX:G+P
1958183	1958/07/02	17:30:00.1	11.6908	165.2736			EX:G+P
1958186	1958/07/05	18:30:00.2	11.6633	162.2300			EX:G+P
1958193	1958/07/12	03:30:00.1	11.6881	165.2644			EX:G+P
1958203	1958/07/22	04:20:00.1	11.4961	165.3708			EX:G+P
1958203	1958/07/22	20:30:00.2	11.6633	162.2300			EX:G+P
1958207	1958/07/26	20:30:00.2	11.6561	162.2197			EX:G+P
1958213	1958/08/01	10:50:05.6	16.7439	-169.5333	-7.68		EX:G+P
1958224	1958/08/12	10:30:08.6	16.3583	-169.5356	-42.98		EX:G+P
1958255	1958/09/12	20:00:00.2	37.0500	-116.0319	0.15		EX:G+P
1958260	1958/09/17	19:30:00.2	37.0494	-116.0330	0.15		EX:G+P
1958262	1958/09/19	14:00:00.2	37.0867	-116.0236	-0.15		EX:G+P
1958264	1958/09/21	19:00:00.2	37.0492	-116.0336	0.15		EX:G+P

**GT0**

jdate	date	time	latitude	longitude	depth	mb	source
1958269	1958/09/26	20:00:00.2	37.0497	-116.0297	0.15		EX:G+P
1958271	1958/09/28	00:00:00.2	37.1931	-116.2006			EX:G+P
1958272	1958/09/29	14:05:00.1	37.0867	-116.0236	-0.46		EX:G+P
1958278	1958/10/05	14:10:00.1	37.0867	-116.0236	-0.11		EX:G+P
1958278	1958/10/05	16:15:00.2	37.0489	-116.0342	0.15		EX:G+P
1958281	1958/10/08	22:00:00.1	37.1953	-116.2003	0.10		EX:G+P
1958283	1958/10/10	14:30:00.1	37.0947	-116.0236	-0.03		EX:G+P
1958286	1958/10/13	13:20:00.1	37.0867	-116.0236	-0.46		EX:G+P
1958287	1958/10/14	18:00:00.2	37.1939	-116.1997	0.03		EX:G+P
1958288	1958/10/15	16:00:00.2	36.8022	-115.9322	-0.02		EX:G+P
1958289	1958/10/16	06:00:00.1	37.1842	-116.2011	0.25		EX:G+P
1958289	1958/10/16	14:20:00.1	37.0867	-116.0236	-0.15		EX:G+P
1958290	1958/10/17	23:00:00.2	37.1225	-116.0347			EX:G+P
1958291	1958/10/18	14:25:00.1	37.0411	-116.0258	-0.02		EX:G+P
1958293	1958/10/20	14:30:00.2	37.0447	-116.0297	-0.02		EX:G+P
1958295	1958/10/22	13:30:00.2	37.0867	-116.0236	-0.46		EX:G+P
1958295	1958/10/22	16:50:00.1	36.7981	-115.9289	-0.46		EX:G+P
1958295	1958/10/22	23:40:00.1	37.1347	-116.0408	-0.15		EX:G+P
1958297	1958/10/24	15:00:00.2	37.0431	-116.0269	-0.02		EX:G+P
1958297	1958/10/24	16:01:00.2	37.1233	-116.0378			EX:G+P
1958299	1958/10/26	04:00:00.2	37.1814	-116.0686	-0.01		EX:G+P
1958299	1958/10/26	10:20:00.1	36.7981	-115.9289	-0.46		EX:G+P
1958299	1958/10/26	16:00:00.1	37.0867	-116.0236	-0.46		EX:G+P
1958302	1958/10/29	00:00:00.2	37.1947	-116.2047	0.26		EX:G+P
1958302	1958/10/29	14:45:00.1	37.0478	-116.0247	-0.01		EX:G+P
1958303	1958/10/30	03:00:00.1	37.0867	-116.0236	-0.46		EX:G+P
1958303	1958/10/30	15:00:00.2	37.1858	-116.2019	0.25		EX:G+P
1958303	1958/10/30	20:34:00.2	37.1772	-116.0692	-0.01		EX:G+P
1961258	1961/09/15	17:00:00.1	37.1879	-116.2078	0.40		EX:SPRINGER
1961259	1961/09/16	19:45:00.1	37.0484	-116.0328	0.10		EX:SPRINGER
1961274	1961/10/01	22:30:00.1	37.0483	-116.0345	0.10		EX:AEC
1961283	1961/10/10	18:00:00.1	37.1943	-116.2070	0.26		EX:SPRINGER
1961284	1961/10/11	07:39:59.9	49.7727	77.9950	0.00		EX:BOCHAROV
1961302	1961/10/29	18:30:00.1	37.0486	-116.0311	0.19		EX:SPRINGER
1961337	1961/12/03	23:04:59.6	37.0459	-116.0277	0.36		EX:SPRINGER
1961344	1961/12/10	19:00:00.0	32.2636	-103.8658	0.36		EX:SPRINGER
1961347	1961/12/13	18:00:00.2	37.1266	-116.0488	0.18		EX:SPRINGER
1961351	1961/12/17	16:35:00.1	37.0432	-116.0253	0.36		EX:SPRINGER
1961356	1961/12/22	16:30:00.1	37.1949	-116.2083	0.25		EX:SPRINGER
1962009	1962/01/09	16:30:00.1	37.0446	-116.0351	0.30		EX:SPRINGER
1962018	1962/01/18	18:00:00.1	37.0473	-116.0344	0.26		EX:SPRINGER
1962030	1962/01/30	18:00:00.1	37.0468	-116.0395	0.36		EX:SPRINGER
1962033	1962/02/02	08:00:00.2	49.7775	78.0016	0.00		EX:BOCHAROV

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1962039	1962/02/08	18:00:00.2	37.1273	-116.0527	0.18		EX:SPRINGER
1962040	1962/02/09	16:30:00.1	37.0436	-116.0389	0.24		EX:SPRINGER
1962046	1962/02/15	18:00:00.1	37.2263	-116.0593	0.29		EX:SPRINGER
1962050	1962/02/19	16:30:00.1	37.0491	-116.0295	0.15		EX:SPRINGER
1962050	1962/02/19	17:50:00.2	37.1274	-116.0371	0.21		EX:SPRINGER
1962054	1962/02/23	18:00:00.2	37.1289	-116.0483	0.30		EX:SPRINGER
1962055	1962/02/24	16:30:00.1	37.0483	-116.0319	0.06		EX:SPRINGER
1962060	1962/03/01	19:10:00.1	37.0413	-116.0287	0.36		EX:SPRINGER
1962064	1962/03/05	18:15:00.1	37.1111	-116.3649	0.03		EX:SPRINGER
1962065	1962/03/06	16:30:00.1	37.0484	-116.0337	0.07		EX:SPRINGER
1962067	1962/03/08	18:00:00.2	37.1222	-116.0489	0.26		EX:SPRINGER
1962074	1962/03/15	16:30:00.1	37.0440	-116.0310	0.24		EX:SPRINGER
1962087	1962/03/28	18:00:00.2	37.1243	-116.0339	0.19		EX:SPRINGER
1962090	1962/03/31	18:00:00.1	37.0469	-116.0369	0.14		EX:SPRINGER
1962095	1962/04/05	18:00:00.1	37.0445	-116.0235	0.26		EX:SPRINGER
1962096	1962/04/06	18:00:00.2	37.1177	-116.0440	0.23		EX:SPRINGER
1962102	1962/04/12	18:00:00.2	37.1272	-116.0449	0.15		EX:SPRINGER
1962104	1962/04/14	18:00:00.1	37.2220	-116.1574	0.19		EX:SPRINGER
1962111	1962/04/21	18:40:00.2	37.1190	-116.0315	0.19		EX:SPRINGER
1962117	1962/04/27	18:00:00.2	37.1184	-116.0378	0.22		EX:SPRINGER
1962127	1962/05/07	19:33:00.1	37.0466	-116.0250	0.26		EX:SPRINGER
1962130	1962/05/10	15:00:00.2	37.1276	-116.0483	0.17		EX:AEC
1962131	1962/05/11	20:02:05.9	31.2450	-124.2117	0.20		EX:JOHNSON
1962132	1962/05/12	19:00:00.1	37.0652	-116.0304	0.43		EX:SPRINGER
1962139	1962/05/19	15:00:00.2	37.1226	-116.0472	0.22		EX:SPRINGER
1962145	1962/05/25	15:00:00.2	37.1248	-116.0520	0.19		EX:SPRINGER
1962152	1962/06/01	17:00:00.1	37.0456	-116.0345	0.16		EX:SPRINGER
1962157	1962/06/06	17:00:00.1	37.0457	-116.0393	0.26		EX:SPRINGER
1962164	1962/06/13	21:00:00.1	37.2222	-116.1621	0.20		EX:SPRINGER
1962172	1962/06/21	17:00:00.1	37.0431	-116.0303	0.26		EX:SPRINGER
1962178	1962/06/27	18:00:00.1	37.0416	-116.0353	0.41		EX:SPRINGER
1962179	1962/06/28	17:00:00.1	37.0091	-116.2011	0.31		EX:SPRINGER
1962181	1962/06/30	21:30:00.2	37.1174	-116.0474	0.15		EX:SPRINGER
1962187	1962/07/06	17:00:00.1	37.1770	-116.0454	0.19		EX:SPRINGER
1962192	1962/07/11	16:45:00.1	37.1224	-116.3330	0.00		EX:SPRINGER
1962194	1962/07/13	16:00:00.2	37.0551	-116.0334	0.41		EX:SPRINGER
1962208	1962/07/27	21:00:00.2	37.1297	-116.0565	0.15		EX:SPRINGER
1962236	1962/08/24	15:00:00.2	37.1186	-116.0395	0.23		EX:SPRINGER
1962236	1962/08/24	17:00:00.1	37.0461	-116.0238	0.21		EX:SPRINGER
1962249	1962/09/06	17:00:00.2	37.1303	-116.0447	0.16		EX:AEC
1962257	1962/09/14	17:10:00.1	37.0439	-116.0211	0.22		EX:SPRINGER
1962263	1962/09/20	17:10:00.1	37.0551	-116.0293	0.24		EX:SPRINGER
1962272	1962/09/29	17:00:00.2	37.1167	-116.0328	0.21		EX:SPRINGER

**GT0**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1962278	1962/10/05	17:00:00.2	37.1394	-116.0503	0.49		EX:SPRINGER
1962285	1962/10/12	15:00:00.2	37.1228	-116.0508	0.18		EX:SPRINGER
1962285	1962/10/12	17:00:00.1	37.0488	-116.0326	0.07		EX:AEC
1962291	1962/10/18	15:00:00.1	37.1285	-116.0402	0.06		EX:AEC
1962292	1962/10/19	18:00:00.1	37.0395	-116.0211	0.24		EX:SPRINGER
1962300	1962/10/27	15:00:00.1	37.1493	-116.0535	0.32		EX:SPRINGER
1962313	1962/11/09	18:00:00.2	37.1638	-116.0733	0.17		EX:AEC
1962319	1962/11/15	16:30:00.1	37.0418	-116.0239	0.24		EX:AEC
1962331	1962/11/27	18:00:00.1	37.1228	-116.0290	0.23		EX:SPRINGER
1962338	1962/12/04	16:00:00.1	37.1281	-116.0500	0.23		EX:AEC
1962341	1962/12/07	19:00:00.1	37.0518	-116.0293	0.30		EX:SPRINGER
1962346	1962/12/12	17:25:00.1	37.1687	-116.2061	0.40		EX:SPRINGER
1962346	1962/12/12	18:45:00.1	37.0461	-116.0156	0.23		EX:SPRINGER
1962348	1962/12/14	18:00:00.2	37.1242	-116.0400	0.06		EX:AEC
1963039	1963/02/08	16:00:00.2	37.1489	-116.0519	0.30		EX:SPRINGER
1963039	1963/02/08	16:00:01.2	37.1260	-116.0387	0.06		EX:AEC
1963039	1963/02/08	18:30:00.1	37.0583	-116.0293	0.33		EX:AEC
1963039	1963/02/08	18:30:00.1	37.0461	-116.0211	0.26		EX:SPRINGER
1963046	1963/02/15	17:00:00.1	37.0490	-116.0318	0.06		EX:AEC
1963052	1963/02/21	19:47:00.1	37.1203	-116.0457	0.23		EX:SPRINGER
1963052	1963/02/21	19:47:08.6	37.1548	-116.0799	0.16		EX:SPRINGER
1963060	1963/03/01	19:00:00.1	37.0445	-116.0265	0.30		EX:AEC
1963074	1963/03/15	16:22:53.1	37.1258	-116.0448	0.13		EX:AEC
1963088	1963/03/29	15:49:00.1	37.0417	-116.0184	0.28		EX:SPRINGER
1963095	1963/04/05	17:52:00.1	37.0373	-116.0239	0.24		EX:SPRINGER
1963100	1963/04/10	16:01:30.1	37.0488	-116.0303	0.07		EX:AEC
1963101	1963/04/11	16:03:00.2	37.1567	-116.0710	0.23		EX:AEC
1963114	1963/04/24	16:09:30.1	37.1206	-116.0363	0.18		EX:AEC
1963114	1963/04/24	16:09:30.1	37.1205	-116.0362	0.06		EX:AEC
1963129	1963/05/09	18:19:30.1	37.0494	-116.0156	0.27		EX:AEC
1963137	1963/05/17	14:55:00.1	37.0439	-116.0156	0.24		EX:AEC
1963137	1963/05/17	14:55:00.1	37.0483	-116.0324	0.07		EX:AEC
1963142	1963/05/22	15:40:00.1	37.1111	-116.0391	0.39		EX:SPRINGER
1963149	1963/05/29	15:03:30.2	37.1281	-116.0425	0.21		EX:AEC
1963156	1963/06/05	17:00:00.1	37.1966	-116.2092	0.24		EX:SPRINGER
1963157	1963/06/06	14:00:00.1	37.0450	-116.0364	0.13		EX:SPRINGER
1963157	1963/06/06	16:58:00.2	37.1247	-116.0400	0.09		EX:AEC
1963165	1963/06/14	14:10:00.1	37.0461	-116.0184	0.20		EX:SPRINGER
1963176	1963/06/25	23:00:00.2	37.1314	-116.0681	0.23		EX:SPRINGER
1963224	1963/08/12	23:45:00.1	37.0417	-116.0156	0.30		EX:SPRINGER
1963227	1963/08/15	13:00:00.2	37.1541	-116.0766	0.23		EX:SPRINGER
1963235	1963/08/23	13:20:00.1	37.1250	-116.0354	0.25		EX:SPRINGER
1963256	1963/09/13	13:53:00.2	37.1634	-116.0806	0.23		EX:SPRINGER

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1963256	1963/09/13	17:00:00.1	37.0604	-116.0217	0.71		EX:SPRINGER
1963284	1963/10/11	14:00:00.1	37.0373	-116.0212	0.26		EX:SPRINGER
1963284	1963/10/11	14:00:00.2	37.1187	-116.0339	0.15		EX:SPRINGER
1963289	1963/10/16	17:00:00.1	37.1982	-116.2295	0.55		EX:SPRINGER
1963299	1963/10/26	17:00:00.1	39.2002	-118.3803	0.37		EX:SPRINGER
1963318	1963/11/14	16:00:00.1	37.0395	-116.0184	0.26		EX:SPRINGER
1963319	1963/11/15	15:00:00.2	37.1323	-116.0469	0.17		EX:SPRINGER
1963326	1963/11/22	17:30:00.1	37.1193	-116.0452	0.30		EX:SPRINGER
1963338	1963/12/04	16:38:30.1	37.0396	-116.0294	0.26		EX:SPRINGER
1963346	1963/12/12	16:02:00.2	37.1310	-116.0439	0.16		EX:SPRINGER
1964016	1964/01/16	16:00:00.2	37.1423	-116.0491	0.49		EX:SPRINGER
1964023	1964/01/23	16:00:00.2	37.1264	-116.0363	0.26		EX:SPRINGER
1964051	1964/02/20	15:30:00.1	37.1509	-116.0401	0.49		EX:SPRINGER
1964073	1964/03/13	16:02:00.1	37.0505	-116.0115	0.11		EX:SPRINGER
1964075	1964/03/15	08:00:00.4	49.8160	78.0752	0.00		EX:BOCHAROV
1964105	1964/04/14	14:40:00.1	37.1289	-116.0298	0.20		EX:SPRINGER
1964106	1964/04/15	14:30:00.1	37.0439	-116.0184	0.15		EX:SPRINGER
1964115	1964/04/24	20:10:00.2	37.1496	-116.0554	0.51		EX:SPRINGER
1964120	1964/04/29	20:47:00.1	37.0396	-116.0266	0.26		EX:SPRINGER
1964135	1964/05/14	14:40:00.2	37.1173	-116.0389	0.16		EX:SPRINGER
1964136	1964/05/15	16:15:00.1	37.0417	-116.0122	0.24		EX:SPRINGER
1964137	1964/05/16	06:00:59.8	49.8077	78.1020	0.00		EX:BOCHAROV
1964144	1964/05/23	21:44:59.1	39.3708	-106.1677	0.06		LRSM
1964163	1964/06/11	16:45:00.2	37.1486	-116.0760	0.26		EX:SPRINGER
1964177	1964/06/25	13:30:00.1	37.1111	-116.0288	0.21		EX:SPRINGER
1964182	1964/06/30	13:33:00.1	37.1744	-116.0564	0.26		EX:SPRINGER
1964198	1964/07/16	13:15:00.2	37.1822	-116.0454	0.39		EX:SPRINGER
1964199	1964/07/17	17:18:30.0	37.0176	-116.0296	0.27		EX:SPRINGER
1964201	1964/07/19	06:00:00.6	49.8091	78.0929	0.00		EX:BOCHAROV
1964232	1964/08/19	16:00:00.1	37.1590	-116.0831	0.17		EX:SPRINGER
1964235	1964/08/22	22:17:00.1	37.0653	-116.0154	0.45		EX:SPRINGER
1964241	1964/08/28	17:06:00.0	37.0670	-116.0223	0.36		EX:SPRINGER
1964248	1964/09/04	18:15:00.1	37.0176	-116.0227	0.26		EX:SPRINGER
1964276	1964/10/02	20:03:00.0	37.0779	-116.0085	0.45		EX:SPRINGER
1964283	1964/10/09	14:00:00.1	37.1513	-116.0770	0.41		EX:SPRINGER
1964290	1964/10/16	00:00:00.0	40.8125	89.7925	0.00		EX:GUPTA+RICH
1964290	1964/10/16	15:59:30.0	37.0395	-116.0157	0.26		EX:SPRINGER
1964296	1964/10/22	16:00:00.0	31.1421	-89.5699	0.83		EX:SPRINGER
1964305	1964/10/31	17:04:58.6	37.1072	-116.0323	0.39		EX:SPRINGER
1964310	1964/11/05	15:00:00.1	37.1744	-116.0670	0.40		EX:SPRINGER
1964321	1964/11/16	06:00:00.2	49.8087	78.1334	0.00		EX:BOCHAROV
1964340	1964/12/05	21:15:00.0	37.1343	-116.0697	0.22		EX:AEC
1964340	1964/12/05	21:15:00.1	37.1144	-116.0534	0.40		EX:SPRINGER

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jdate	date	time	latitude	longitude	depth	mb	source
1964351	1964/12/16	20:00:00.0	37.0348	-116.0123	0.18		EX:SPRINGER
1964351	1964/12/16	20:10:00.1	37.1778	-116.0670	0.15		EX:SPRINGER
1964353	1964/12/18	19:35:00.1	37.0825	-116.3425	0.03		EX:SPRINGER
1965014	1965/01/14	16:00:00.1	37.1190	-116.0248	0.22		EX:SPRINGER
1965015	1965/01/15	00:00:00.0	49.9350	79.0094	0.18		EX>NNCKR
1965035	1965/02/04	15:30:00.1	37.1308	-116.0616	0.23		EX:SPRINGER
1965043	1965/02/12	15:10:29.5	37.1645	-116.0766	0.22		EX:SPRINGER
1965047	1965/02/16	17:30:00.0	37.0516	-116.0238	0.30		EX:SPRINGER
1965049	1965/02/18	16:18:47.2	36.8180	-115.9492	0.18		EX:SPRINGER
1965062	1965/03/03	06:14:59.4	49.8247	78.0527	0.00		EX:BOCHAROV
1965062	1965/03/03	19:13:00.0	37.0645	-116.0372	0.75		EX:SPRINGER
1965085	1965/03/26	15:34:08.2	37.1476	-116.0429	0.54		EX:SPRINGER
1965095	1965/04/05	21:00:00.0	37.0258	-116.0226	0.45		EX:SPRINGER
1965104	1965/04/14	13:14:00.1	37.2804	-116.5236	0.09		EX:SPRINGER
1965111	1965/04/21	22:00:00.0	37.0072	-116.2021	0.30		EX:SPRINGER
1965113	1965/04/23	21:44:00.0	37.0174	-115.9953	0.32		EX:AEC
1965127	1965/05/07	15:47:11.2	37.1404	-116.0666	0.18		EX:SPRINGER
1965131	1965/05/11	06:40:00.2	49.7702	77.9943	0.00		EX:BOCHAROV
1965132	1965/05/12	18:15:00.1	37.2427	-116.4309	0.70		EX:SPRINGER
1965134	1965/05/14	14:57:52.2	36.8234	-115.9668	0.29		EX:AEC
1965134	1965/05/14	17:32:36.2	37.0588	-116.0105	0.43		EX:SPRINGER
1965141	1965/05/21	13:08:52.1	37.1186	-116.0277	0.28		EX:SPRINGER
1965162	1965/06/11	19:45:00.0	37.0428	-116.0170	0.18		EX:SPRINGER
1965167	1965/06/16	16:30:00.2	36.8181	-115.9561	0.19		EX:SPRINGER
1965168	1965/06/17	03:45:00.0	49.8284	78.0669	0.00		EX:BOCHAROV
1965168	1965/06/17	17:00:00.1	37.2234	-116.0570	0.11		EX:SPRINGER
1965204	1965/07/23	17:00:00.0	37.0978	-116.0330	0.53		EX:SPRINGER
1965210	1965/07/29	03:05:00.2	49.7797	77.9981	0.00		EX:BOCHAROV
1965218	1965/08/06	17:23:30.0	37.0177	-116.0398	0.32		EX:SPRINGER
1965239	1965/08/27	13:51:13.1	37.1373	-116.0701	0.17		EX:SPRINGER
1965244	1965/09/01	20:08:00.0	37.0230	-116.0090	0.30		EX:SPRINGER
1965253	1965/09/10	17:12:00.0	37.0780	-116.0167	0.46		EX:SPRINGER
1965260	1965/09/17	04:00:00.1	49.8116	78.1467	0.00		EX:BOCHAROV
1965260	1965/09/17	15:08:23.1	37.1110	-116.0346	0.22		EX:SPRINGER
1965281	1965/10/08	06:00:00.4	49.8259	78.1114	0.00		EX:BOCHAROV
1965302	1965/10/29	21:00:00.1	51.4381	179.1826	0.70		EX:SPRINGER
1965316	1965/11/12	18:00:00.1	37.0500	-116.0221	0.24		EX:SPRINGER
1965325	1965/11/21	04:58:00.0	49.8192	78.0636	0.00		EX:BOCHAROV
1965337	1965/12/03	15:13:02.1	37.1648	-116.0523	0.68		EX:SPRINGER
1965350	1965/12/16	15:39:18.2	37.1408	-116.0632	0.26		EX:SPRINGER
1965350	1965/12/16	19:15:00.0	37.0726	-116.0291	0.50		EX:SPRINGER
1965358	1965/12/24	05:00:00.2	49.8045	78.1067	0.00		EX:BOCHAROV
1966013	1966/01/13	15:37:43.1	37.1162	-116.0275	0.18		EX:SPRINGER

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jdate	date	time	latitude	longitude	depth	mb	source
1966018	1966/01/18	18:35:00.0	37.0917	-116.0187	0.56		EX:SPRINGER
1966021	1966/01/21	18:28:00.0	37.0317	-116.0158	0.33		EX:SPRINGER
1966034	1966/02/03	18:17:37.1	37.1263	-116.0695	0.27		EX:SPRINGER
1966044	1966/02/13	04:58:00.1	49.8089	78.1210	0.00		EX:BOCHAROV
1966055	1966/02/24	15:55:07.0	37.2718	-116.4338	0.67		EX:SPRINGER
1966064	1966/03/05	18:15:00.1	37.1745	-116.2084	0.41		EX:SPRINGER
1966066	1966/03/07	18:41:00.1	37.0374	-116.0294	0.20		EX:SPRINGER
1966071	1966/03/12	18:04:13.1	37.1437	-116.0525	0.40		EX:SPRINGER
1966077	1966/03/18	19:00:00.0	37.0093	-116.0091	0.33		EX:SPRINGER
1966079	1966/03/20	05:50:00.3	49.7616	78.0239	0.00		EX:BOCHAROV
1966083	1966/03/24	14:55:28.1	37.1133	-116.0314	0.15		EX:SPRINGER
1966091	1966/04/01	18:40:00.0	37.1027	-116.0199	0.56		EX:SPRINGER
1966096	1966/04/06	13:57:17.1	37.1395	-116.1409	0.23		EX:SPRINGER
1966097	1966/04/07	22:27:30.0	37.0174	-115.9922	0.23		EX:SPRINGER
1966104	1966/04/14	14:13:43.1	37.2427	-116.4309	0.54		EX:SPRINGER
1966111	1966/04/21	03:58:00.1	49.8097	78.1000	0.00		EX:BOCHAROV
1966115	1966/04/25	18:38:00.1	36.8874	-115.9407	0.30		EX:SPRINGER
1966124	1966/05/04	13:32:17.1	37.1371	-116.1371	0.20		EX:SPRINGER
1966125	1966/05/05	14:00:00.0	37.0506	-116.0379	0.31		EX:SPRINGER
1966126	1966/05/06	15:00:00.1	37.3480	-116.3219	0.67		EX:SPRINGER
1966127	1966/05/07	03:58:00.2	49.7429	78.1050	0.00		EX:BOCHAROV
1966132	1966/05/12	19:37:26.2	37.1343	-116.0711	0.25		EX:SPRINGER
1966133	1966/05/13	13:30:00.0	37.0869	-116.0334	0.55		EX:SPRINGER
1966139	1966/05/19	13:56:28.1	37.1111	-116.0579	0.67		EX:SPRINGER
1966147	1966/05/27	20:00:00.0	37.1784	-116.0978	0.34		EX:SPRINGER
1966153	1966/06/02	15:30:00.1	37.2271	-116.0555	0.46		EX:SPRINGER
1966154	1966/06/03	14:00:00.0	37.0684	-116.0353	0.56		EX:SPRINGER
1966161	1966/06/10	14:30:00.0	37.0594	-116.0388	0.49		EX:SPRINGER
1966166	1966/06/15	17:00:00.0	37.0097	-116.2024	0.33		EX:SPRINGER
1966166	1966/06/15	18:02:47.1	37.1715	-116.0489	0.45		EX:SPRINGER
1966176	1966/06/25	17:13:00.1	37.1553	-116.0722	0.32		EX:SPRINGER
1966180	1966/06/29	06:58:00.5	49.8344	78.0734	0.00		EX:BOCHAROV
1966181	1966/06/30	22:15:00.1	37.3158	-116.2990	0.82		EX:SPRINGER
1966202	1966/07/21	03:58:00.0	49.7367	78.0970	0.00		EX:BOCHAROV
1966209	1966/07/28	15:33:30.1	37.1403	-116.0989	0.15		EX:SPRINGER
1966217	1966/08/05	03:57:59.6	49.7643	78.0424	0.00		EX:BOCHAROV
1966222	1966/08/10	13:16:00.1	37.1687	-116.0477	0.20		EX:SPRINGER
1966231	1966/08/19	03:52:59.9	49.8271	78.1088	0.00		EX:BOCHAROV
1966250	1966/09/07	03:51:59.7	49.8288	78.0638	0.00		EX:BOCHAROV
1966255	1966/09/12	15:30:00.5	36.8769	-115.9506	0.26		EX:SPRINGER
1966266	1966/09/23	18:00:00.0	37.0209	-116.0364	0.56		EX:SPRINGER
1966272	1966/09/29	14:45:30.1	37.1687	-116.0461	0.23		EX:SPRINGER
1966292	1966/10/19	03:57:59.9	49.7471	78.0205	0.00		EX:BOCHAROV

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1966309	1966/11/05	14:45:00.0	37.1699	-116.0472	0.20		EX:SPRINGER
1966315	1966/11/11	12:00:00.1	37.1344	-116.0498	0.24		EX:SPRINGER
1966322	1966/11/18	15:02:00.0	37.0428	-116.0103	0.21		EX:SPRINGER
1966337	1966/12/03	05:02:00.2	49.7469	78.0334	0.00		EX:BOCHAROV
1966337	1966/12/03	12:15:00.1	31.1421	-89.5699	0.83		EX:SPRINGER
1966347	1966/12/13	21:00:00.1	36.8773	-115.9379	0.24		EX:SPRINGER
1966352	1966/12/18	04:58:00.0	49.9246	77.7472	0.00		EX:BOCHAROV
1966354	1966/12/20	15:30:00.1	37.3021	-116.4083	1.22		EX:SPRINGER
1967019	1967/01/19	16:45:00.1	37.1437	-116.1352	0.37		EX:SPRINGER
1967020	1967/01/20	17:40:03.4	37.0999	-116.0038	0.56		EX:SPRINGER
1967030	1967/01/30	04:01:59.5	49.7674	77.9914	0.00		EX:BOCHAROV
1967039	1967/02/08	15:15:00.1	37.1675	-116.0471	0.26		EX:SPRINGER
1967054	1967/02/23	18:34:00.0	37.0175	-116.0159	0.30		EX:SPRINGER
1967054	1967/02/23	18:50:00.0	37.1269	-116.0664	0.73		EX:SPRINGER
1967057	1967/02/26	03:57:59.8	49.7457	78.0823	0.00		EX:BOCHAROV
1967061	1967/03/02	15:00:00.0	37.1659	-116.0487	0.27		EX:SPRINGER
1967084	1967/03/25	05:58:01.1	49.7536	78.0630	0.00		EX:BOCHAROV
1967097	1967/04/07	15:00:00.0	37.0544	-116.0222	0.27		EX:SPRINGER
1967110	1967/04/20	04:08:00.0	49.7416	78.1054	0.00		EX:BOCHAROV
1967111	1967/04/21	15:09:00.0	37.0193	-116.0374	0.24		EX:SPRINGER
1967117	1967/04/27	14:45:00.0	37.1388	-116.0632	0.22		EX:SPRINGER
1967130	1967/05/10	13:40:00.0	37.0779	-115.9953	0.50		EX:SPRINGER
1967140	1967/05/20	15:00:00.0	37.1304	-116.0639	0.75		EX:SPRINGER
1967143	1967/05/23	14:00:00.0	37.2751	-116.3700	0.98		EX:SPRINGER
1967146	1967/05/26	15:00:01.5	37.2479	-116.4802	0.63		EX:SPRINGER
1967148	1967/05/28	04:07:59.6	49.7564	78.0169	0.00		EX:BOCHAROV
1967173	1967/06/22	13:10:00.0	37.1256	-116.0287	0.30		EX:SPRINGER
1967177	1967/06/26	16:00:00.0	37.2021	-116.2078	0.38		EX:SPRINGER
1967180	1967/06/29	02:56:59.9	49.8167	78.0490	0.00		EX:BOCHAROV
1967180	1967/06/29	11:25:00.0	37.0286	-116.0226	0.31		EX:SPRINGER
1967196	1967/07/15	03:26:59.9	49.8359	78.1182	0.00		EX:BOCHAROV
1967208	1967/07/27	13:00:00.0	37.1487	-116.0485	0.48		EX:SPRINGER
1967216	1967/08/04	06:58:00.3	49.7603	78.0555	0.00		EX:BOCHAROV
1967222	1967/08/10	14:10:00.0	37.1567	-116.0473	0.47		EX:SPRINGER
1967230	1967/08/18	20:12:30.0	37.0122	-116.0365	0.33		EX:SPRINGER
1967243	1967/08/31	16:30:00.0	37.1776	-116.2089	0.45		EX:SPRINGER
1967250	1967/09/07	13:45:00.0	37.1532	-116.0528	0.52		EX:SPRINGER
1967259	1967/09/16	04:04:00.3	49.9372	77.7281	0.00		EX:BOCHAROV
1967264	1967/09/21	20:45:00.0	37.1660	-116.0384	0.18		EX:SPRINGER
1967265	1967/09/22	05:03:59.0	49.9596	77.6911	0.00		EX:BOCHAROV
1967270	1967/09/27	17:00:00.0	37.0988	-116.0532	0.67		EX:SPRINGER
1967290	1967/10/17	05:04:00.2	49.7809	78.0038	0.00		EX:BOCHAROV
1967291	1967/10/18	14:30:00.0	37.1156	-116.0576	0.72		EX:SPRINGER

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jdate	date	time	latitude	longitude	depth	mb	source
1967298	1967/10/25	14:30:00.1	37.0316	-116.0264	0.30		EX:SPRINGER
1967303	1967/10/30	06:04:00.0	49.7944	78.0079	0.00		EX:BOCHAROV
1967312	1967/11/08	15:00:00.0	37.0918	-116.0358	0.67		EX:SPRINGER
1967326	1967/11/22	04:03:59.9	49.9419	77.6868	0.00		EX:BOCHAROV
1967342	1967/12/08	06:03:59.8	49.8171	78.1638	0.00		EX:BOCHAROV
1967344	1967/12/10	19:30:00.1	36.6778	-107.2083	1.29		EX:SPRINGER
1967349	1967/12/15	15:00:00.0	37.0367	-116.0020	0.33		EX:SPRINGER
1968007	1968/01/07	03:46:59.9	49.7544	78.0309	0.00		EX:BOCHAROV
1968018	1968/01/18	16:30:00.0	37.1456	-116.0657	0.25		EX:SPRINGER
1968019	1968/01/19	15:00:00.0	37.1564	-116.0539	0.44		EX:SPRINGER
1968019	1968/01/19	18:15:00.1	38.6343	-116.2153	0.98		EX:SPRINGER
1968026	1968/01/26	16:00:00.1	37.2809	-116.5144	0.05		EX:SPRINGER
1968052	1968/02/21	15:30:00.0	37.1166	-116.0537	0.64		EX:SPRINGER
1968060	1968/02/29	17:08:30.0	37.1846	-116.2114	0.41		EX:SPRINGER
1968072	1968/03/12	17:04:00.0	37.0076	-116.3705	0.00		EX:AEC
1968074	1968/03/14	15:19:00.1	37.0477	-116.0108	0.21		EX:SPRINGER
1968082	1968/03/22	15:00:00.0	37.3326	-116.3107	0.67		EX:SPRINGER
1968085	1968/03/25	18:44:27.0	36.8717	-115.9311	0.26		EX:SPRINGER
1968101	1968/04/10	14:00:00.0	37.1544	-116.0789	0.38		EX:SPRINGER
1968109	1968/04/18	14:05:00.0	37.1525	-116.0370	0.49		EX:SPRINGER
1968114	1968/04/23	17:01:30.0	37.3377	-116.3756	0.22		EX:SPRINGER
1968115	1968/04/24	10:35:59.7	49.8452	78.1032	0.00		EX:BOCHAROV
1968117	1968/04/26	15:00:00.0	37.2954	-116.4557	1.17		EX:SPRINGER
1968138	1968/05/17	13:00:00.0	37.1201	-116.0588	0.47		EX:SPRINGER
1968158	1968/06/06	21:30:00.0	37.1654	-116.0434	0.00		EX:SPRINGER
1968163	1968/06/11	03:05:59.7	49.7930	78.1451	0.00		EX:BOCHAROV
1968167	1968/06/15	14:00:00.0	37.2649	-116.3146	0.68		EX:SPRINGER
1968171	1968/06/19	05:05:59.8	49.9803	78.9855	0.00		EX:BOCHAROV
1968180	1968/06/28	12:22:00.0	37.2455	-116.4829	0.62		EX:SPRINGER
1968194	1968/07/12	12:08:00.0	49.7547	78.0899	0.00		EX:BOCHAROV
1968212	1968/07/30	13:00:00.0	37.1332	-116.0823	0.38		EX:SPRINGER
1968233	1968/08/20	04:05:59.6	49.8226	78.0745	0.00		EX:BOCHAROV
1968240	1968/08/27	16:30:00.0	36.8772	-115.9311	0.24		EX:SPRINGER
1968242	1968/08/29	22:45:00.0	37.2503	-116.3469	0.73		EX:SPRINGER
1968249	1968/09/05	04:05:59.6	49.7416	78.0756	0.00		EX:BOCHAROV
1968250	1968/09/06	14:00:00.1	37.1361	-116.0472	0.58		EX:SPRINGER
1968256	1968/09/12	14:00:00.0	37.0318	-116.0116	0.33		EX:SPRINGER
1968261	1968/09/17	14:00:00.0	37.1199	-116.1275	0.47		EX:SPRINGER
1968268	1968/09/24	17:05:00.1	37.2048	-116.2064	0.34		EX:SPRINGER
1968273	1968/09/29	03:43:00.0	49.8120	78.1219	0.00		EX:BOCHAROV
1968277	1968/10/03	14:29:00.0	37.0259	-115.9928	0.30		EX:SPRINGER
1968309	1968/11/04	15:15:00.1	37.1305	-116.0865	0.36		EX:SPRINGER
1968314	1968/11/09	02:54:00.1	49.8005	78.1391	0.00		EX:BOCHAROV

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1968320	1968/11/15	15:45:00.0	37.0261	-116.0333	0.36		EX:SPRINGER
1968325	1968/11/20	18:00:00.0	37.0098	-116.2064	0.31		EX:SPRINGER
1968327	1968/11/22	16:19:00.0	37.1399	-116.0423	0.44		EX:SPRINGER
1968343	1968/12/08	16:00:00.1	37.3434	-116.5659	0.11		EX:SPRINGER
1968347	1968/12/12	15:10:00.1	37.1189	-116.0783	0.00		EX:SPRINGER
1968353	1968/12/18	05:01:59.7	49.7459	78.0920	0.00		EX:BOCHAROV
1968354	1968/12/19	16:30:00.0	37.2315	-116.4736	1.40		EX:SPRINGER
1969015	1969/01/15	19:00:00.1	37.1479	-116.0657	0.25		EX:SPRINGER
1969015	1969/01/15	19:30:00.0	37.2091	-116.2254	0.52		EX:SPRINGER
1969030	1969/01/30	15:00:00.0	37.0533	-116.0293	0.45		EX:SPRINGER
1969043	1969/02/12	16:18:20.9	37.1691	-116.2107	0.41		EX:SPRINGER
1969066	1969/03/07	08:26:59.8	49.8215	78.0627	0.00		EX:BOCHAROV
1969079	1969/03/20	18:12:00.0	37.0220	-116.0302	0.30		EX:SPRINGER
1969080	1969/03/21	14:30:00.0	37.1332	-116.0867	0.46		EX:SPRINGER
1969120	1969/04/30	17:00:00.0	37.0815	-116.0139	0.56		EX:SPRINGER
1969120	1969/04/30	17:00:00.0	37.0903	-116.0056	0.56		EX:SPRINGER
1969127	1969/05/07	13:45:00.0	37.2829	-116.5006	0.60		EX:SPRINGER
1969136	1969/05/16	04:02:59.7	49.7594	78.0758	0.00		EX:BOCHAROV
1969147	1969/05/27	14:15:00.0	37.0751	-115.9953	0.51		EX:SPRINGER
1969151	1969/05/31	05:01:59.4	49.9503	77.6942	0.00		EX:BOCHAROV
1969163	1969/06/12	14:00:00.0	37.0088	-116.0303	0.30		EX:SPRINGER
1969185	1969/07/04	02:46:59.6	49.7460	78.1113	0.00		EX:BOCHAROV
1969197	1969/07/16	13:02:30.0	37.1194	-116.0551	0.41		EX:SPRINGER
1969197	1969/07/16	14:55:00.0	37.1395	-116.0874	0.55		EX:SPRINGER
1969204	1969/07/23	02:47:00.2	49.8156	78.1296	0.00		EX:BOCHAROV
1969226	1969/08/14	14:30:00.0	37.1603	-116.0636	0.00		EX:SPRINGER
1969239	1969/08/27	13:45:00.0	37.0215	-116.0381	0.24		EX:SPRINGER
1969253	1969/09/10	21:00:00.0	39.4058	-107.9481	2.57		EX:SPRINGER
1969254	1969/09/11	04:02:00.0	49.7763	77.9967	0.00		EX:BOCHAROV
1969255	1969/09/12	18:02:20.4	36.8772	-115.9285	0.26		EX:SPRINGER
1969259	1969/09/16	14:30:00.0	37.3141	-116.4607	1.16		EX:SPRINGER
1969274	1969/10/01	04:02:59.9	49.7825	78.0983	0.00		EX:BOCHAROV
1969275	1969/10/02	22:06:00.0	51.4171	179.1823	1.22		EX:SPRINGER
1969281	1969/10/08	14:30:00.1	37.2567	-116.4408	0.62		EX:SPRINGER
1969302	1969/10/29	19:30:00.0	37.1215	-116.1278	0.26		EX:SPRINGER
1969302	1969/10/29	20:00:00.0	37.1353	-116.1359	0.31		EX:SPRINGER
1969302	1969/10/29	22:01:51.0	37.1433	-116.0638	0.62		EX:SPRINGER
1969317	1969/11/13	15:15:00.1	37.1646	-116.0748	0.16		EX:AEC
1969325	1969/11/21	14:52:00.0	37.0312	-116.0021	0.39		EX:SPRINGER
1969334	1969/11/30	03:32:59.7	49.9243	78.9558	0.00		EX:BOCHAROV
1969339	1969/12/05	17:00:00.0	37.1800	-116.2109	0.42		EX:SPRINGER
1969351	1969/12/17	15:00:00.0	37.0838	-116.0016	0.55		EX:SPRINGER
1969351	1969/12/17	15:15:00.0	37.0066	-116.0228	0.38		EX:SPRINGER

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jdate	date	time	latitude	longitude	depth	mb	source
1969352	1969/12/18	19:00:00.0	37.1205	-116.0348	0.46		EX:SPRINGER
1969362	1969/12/28	03:47:00.2	49.9373	77.7142	0.00		EX:BOCHAROV
1969363	1969/12/29	04:02:00.0	49.7337	78.1023	0.00		EX:BOCHAROV
1970023	1970/01/23	16:30:00.2	37.1374	-116.0368	0.27		EX:SPRINGER
1970029	1970/01/29	07:03:00.0	49.7956	78.1239	0.00		EX:BOCHAROV
1970030	1970/01/30	17:00:00.0	37.0308	-116.0348	0.30		EX:SPRINGER
1970035	1970/02/04	17:00:00.0	37.0981	-116.0265	0.55		EX:SPRINGER
1970036	1970/02/05	15:00:00.0	37.1640	-116.0388	0.44		EX:SPRINGER
1970042	1970/02/11	19:15:00.0	37.2013	-116.2052	0.40		EX:SPRINGER
1970056	1970/02/25	14:28:38.0	37.0367	-115.9996	0.41		EX:SPRINGER
1970057	1970/02/26	15:30:00.0	37.1164	-116.0614	0.39		EX:SPRINGER
1970065	1970/03/06	14:24:00.9	37.0231	-116.0918	0.00		EX:SPRINGER
1970065	1970/03/06	15:00:00.2	37.1396	-116.0368	0.29		EX:SPRINGER
1970078	1970/03/19	14:03:30.0	37.0011	-116.0229	0.30		EX:SPRINGER
1970082	1970/03/23	23:05:00.0	37.0862	-116.0211	0.56		EX:SPRINGER
1970085	1970/03/26	19:00:00.2	37.3005	-116.5341	1.21		EX:SPRINGER
1970086	1970/03/27	05:02:59.6	49.7478	77.9990	0.00		EX:BOCHAROV
1970111	1970/04/21	14:30:00.0	37.0549	-115.9881	0.34		EX:SPRINGER
1970111	1970/04/21	15:00:00.0	37.1156	-116.0801	0.40		EX:SPRINGER
1970121	1970/05/01	14:13:00.0	37.0592	-116.0282	0.39		EX:SPRINGER
1970121	1970/05/01	14:40:00.2	37.1330	-116.0341	0.27		EX:SPRINGER
1970125	1970/05/05	15:30:00.2	37.2165	-116.1841	0.41		EX:SPRINGER
1970132	1970/05/12	14:00:00.0	37.0104	-116.2019	0.27		EX:SPRINGER
1970135	1970/05/15	13:30:00.0	37.1619	-116.0389	0.44		EX:SPRINGER
1970141	1970/05/21	14:00:00.0	37.0289	-115.9919	0.24		EX:SPRINGER
1970141	1970/05/21	14:15:00.0	37.0708	-116.0130	0.48		EX:SPRINGER
1970146	1970/05/26	14:16:00.2	37.1826	-116.2134	0.42		EX:SPRINGER
1970146	1970/05/26	15:00:00.1	37.1134	-116.0623	0.53		EX:SPRINGER
1970147	1970/05/27	04:03:00.0	49.7313	78.0986	0.00		EX:BOCHAROV
1970177	1970/06/26	13:00:00.0	37.1139	-116.0861	0.31		EX:SPRINGER
1970179	1970/06/28	01:58:00.0	49.8015	78.1068	0.00		EX:BOCHAROV
1970202	1970/07/21	03:02:59.7	49.9524	77.6729	0.00		EX:BOCHAROV
1970205	1970/07/24	03:57:00.0	49.8097	78.1284	0.00		EX:BOCHAROV
1970249	1970/09/06	04:02:59.9	49.7598	78.0054	0.00		EX:BOCHAROV
1970287	1970/10/14	14:30:00.0	37.0707	-116.0051	0.56		EX:SPRINGER
1970308	1970/11/04	06:02:59.8	49.9892	77.7624	0.00		EX:BOCHAROV
1970309	1970/11/05	15:00:00.0	37.0295	-116.0118	0.39		EX:SPRINGER
1970350	1970/12/16	16:00:00.1	37.1002	-116.0079	0.48		EX:SPRINGER
1970350	1970/12/16	16:00:00.2	37.1429	-116.0340	0.00		EX:SPRINGER
1970351	1970/12/17	07:01:00.0	49.7456	78.0992	0.00		EX:BOCHAROV
1970351	1970/12/17	16:05:00.2	37.1291	-116.0830	0.66		EX:SPRINGER
1970352	1970/12/18	15:30:00.2	37.1731	-116.0989	0.28		EX:SPRINGER
1971081	1971/03/22	04:33:00.3	49.7985	78.1090	0.00		EX:BOCHAROV

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1971115	1971/04/25	03:32:59.9	49.7685	78.0339	0.00		EX:BOCHAROV
1971145	1971/05/25	04:03:00.4	49.8016	78.1388	0.00		EX:BOCHAROV
1971157	1971/06/06	04:02:59.7	49.9754	77.6603	0.00		EX:BOCHAROV
1971167	1971/06/16	14:50:00.0	37.0332	-116.0137	0.30		EX:SPRINGER
1971170	1971/06/19	04:04:00.1	49.9690	77.6408	0.00		EX:BOCHAROV
1971174	1971/06/23	15:30:00.0	37.0220	-116.0227	0.45		EX:SPRINGER
1971175	1971/06/24	14:00:00.2	37.1467	-116.0668	0.52		EX:SPRINGER
1971180	1971/06/29	18:30:00.2	37.1768	-116.2115	0.42		EX:AEC
1971181	1971/06/30	03:56:59.8	49.9460	78.9805	0.00		EX:BOCHAROV
1971182	1971/07/01	14:00:00.1	37.0115	-116.2034	0.27		EX:SPRINGER
1971189	1971/07/08	14:00:00.1	37.1101	-116.0514	0.53		EX:SPRINGER
1971230	1971/08/18	14:00:00.0	37.0572	-116.0363	0.53		EX:SPRINGER
1971272	1971/09/29	14:00:00.0	37.0110	-116.0073	0.38		EX:SPRINGER
1971281	1971/10/08	14:30:00.2	37.1138	-116.0373	0.38		EX:SPRINGER
1971282	1971/10/09	06:02:59.7	49.9779	77.6414	0.00		EX:BOCHAROV
1971294	1971/10/21	06:02:59.7	49.9738	77.5973	0.00		EX:BOCHAROV
1971310	1971/11/06	22:00:00.1	51.4719	179.1069	1.79		EX:SPRINGER
1971328	1971/11/24	20:15:00.2	36.8792	-115.9347	0.26		EX:SPRINGER
1971333	1971/11/29	06:02:59.9	49.7434	78.0785	0.00		EX:BOCHAROV
1971348	1971/12/14	21:09:59.2	37.1239	-116.0896	0.33		EX:SPRINGER
1971349	1971/12/15	07:53:59.8	49.8264	77.9973	0.00		EX:BOCHAROV
1971364	1971/12/30	06:21:00.2	49.7600	78.0371	0.00		EX:BOCHAROV
1972041	1972/02/10	05:03:00.0	50.0243	78.8781	0.00		EX:BOCHAROV
1972070	1972/03/10	04:56:59.8	49.7453	78.1197	0.00		EX:BOCHAROV
1972088	1972/03/28	04:22:00.1	49.7331	78.0757	0.00		EX:BOCHAROV
1972110	1972/04/19	16:32:00.2	37.1219	-116.0838	0.33		EX:SPRINGER
1972123	1972/05/02	19:15:00.0	37.2077	-116.2088	0.38		EX:SPRINGER
1972138	1972/05/17	14:10:00.2	37.1206	-116.0879	0.32		EX:SPRINGER
1972140	1972/05/19	17:00:00.1	37.0647	-116.0018	0.54		EX:SPRINGER
1972159	1972/06/07	01:28:00.0	49.8268	78.1155	0.00		EX:BOCHAROV
1972188	1972/07/06	01:03:00.0	49.7375	78.1101	0.00		EX:BOCHAROV
1972202	1972/07/20	17:16:00.2	37.2145	-116.1834	0.42		EX:SPRINGER
1972229	1972/08/16	03:16:59.8	49.7655	78.0588	0.00		EX:BOCHAROV
1972239	1972/08/26	03:46:59.7	49.9820	77.7166	0.00		EX:BOCHAROV
1972246	1972/09/02	08:56:59.9	49.9594	77.6409	0.00		EX:BOCHAROV
1972265	1972/09/21	15:30:00.2	37.0821	-116.0383	0.56		EX:SPRINGER
1972270	1972/09/26	14:30:00.2	37.1214	-116.0857	0.30		EX:SPRINGER
1972307	1972/11/02	01:27:00.2	49.9270	78.8173	0.00		EX:BOCHAROV
1972345	1972/12/10	04:27:00.0	49.8194	78.0582	0.00		EX:BOCHAROV
1972345	1972/12/10	04:27:10.0	50.0270	78.9956	0.00		EX:BOCHAROV
1972356	1972/12/21	20:15:00.2	37.1399	-116.0833	0.44		EX:SPRINGER
1972363	1972/12/28	04:27:00.0	49.7392	78.1063	0.00		EX:BOCHAROV
1973067	1973/03/08	16:10:00.2	37.1036	-116.0267	0.57		EX:SPRINGER

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jdate	date	time	latitude	longitude	depth	mb	source
1973115	1973/04/25	22:25:00.0	37.0048	-116.0284	0.45		EX:SPRINGER
1973116	1973/04/26	17:15:00.2	37.1231	-116.0585	0.56		EX:SPRINGER
1973137	1973/05/17	16:00:00.1	39.7930	-108.3666	2.04		EX:SPRINGER
1973156	1973/06/05	17:00:00.2	37.1850	-116.2151	0.39		EX:SPRINGER
1973157	1973/06/06	13:00:00.1	37.2451	-116.3460	1.06		EX:SPRINGER
1973179	1973/06/28	19:15:12.4	37.1484	-116.0859	0.47		EX:SPRINGER
1973204	1973/07/23	00:00:00.0	49.9689	78.8175			EX>NNCKR
1973263	1973/09/20	00:00:00.0	49.9617	78.8556			EX>NNCKR
1973275	1973/10/02	15:15:00.0	37.2000	-115.8000	0.00		EX:AEC
1973285	1973/10/12	17:00:00.1	37.2004	-116.2032	0.41		EX:SPRINGER
1973308	1973/11/04	00:00:00.0	50.0631	78.9331			EX>NNCKR
1973332	1973/11/28	15:30:00.1	37.0110	-116.0245	0.28		EX:AEC
1973348	1973/12/14	00:00:00.0	50.0438	78.9857			EX>NNCKR
1974058	1974/02/27	17:00:00.1	37.1043	-116.0528	0.64		EX:AEC
1974106	1974/04/16	00:00:00.0	50.0244	78.9264			EX>NNCKR
1974138	1974/05/18	02:34:55.0	27.0950	71.7520	0.11		EX:GUPTA+PABIAN
1974143	1974/05/23	13:38:30.2	37.1245	-116.0789	0.47		EX:ERDA
1974151	1974/05/31	00:00:00.0	49.9606	78.8442			EX>NNCKR
1974170	1974/06/19	16:00:00.1	37.2103	-116.2073	0.39		EX:AEC
1974191	1974/07/10	16:00:00.1	37.0675	-116.0318	0.64		EX:AEC
1974210	1974/07/29	00:00:00.0	49.9375	78.9358			EX>NNCKR
1974226	1974/08/14	14:00:00.1	37.0234	-116.0364	0.43		EX:AEC
1974242	1974/08/30	15:00:00.2	37.1525	-116.0833	0.66		EX:AEC
1974269	1974/09/26	15:05:00.2	37.1326	-116.0684	0.57		EX:AEC
1974289	1974/10/16	00:00:00.0	49.9875	78.8942			EX>NNCKR
1974301	1974/10/28	15:00:00.2	37.2011	-116.2039	0.40		EX:AEC
1974361	1974/12/27	00:00:00.0	49.9658	79.0033			EX>NNCKR
1975059	1975/02/28	15:15:00.1	37.1062	-116.0563	0.71		EX:ERDA
1975066	1975/03/07	15:00:00.2	37.1340	-116.0842	0.60		EX:ERDA
1975095	1975/04/05	19:45:00.2	37.1879	-116.2139	0.38		EX:ERDA
1975114	1975/04/24	14:10:00.2	37.1157	-116.0874	0.41		EX:ERDA
1975117	1975/04/27	00:00:00.0	49.9375	78.9036			EX>NNCKR
1975120	1975/04/30	15:00:00.1	37.1089	-116.0288	0.57		EX:ERDA
1975134	1975/05/14	14:00:00.2	37.2208	-116.4742	0.77		EX:ERDA
1975154	1975/06/03	14:20:00.2	37.3401	-116.5229	0.73		EX:ERDA
1975154	1975/06/03	14:40:00.1	37.0948	-116.0361	0.64		EX:ERDA
1975170	1975/06/19	13:00:00.1	37.3503	-116.3202	0.91		EX:ERDA
1975177	1975/06/26	12:30:00.2	37.2789	-116.3686	1.31		EX:ERDA
1975181	1975/06/30	00:00:00.0	49.9856	78.8969			EX>NNCKR
1975249	1975/09/06	17:00:00.1	37.0236	-116.0291	0.43		EX:ERDA
1975297	1975/10/24	17:11:26.1	37.2216	-116.1797	0.35		EX:ERDA
1975301	1975/10/28	14:30:00.2	37.2901	-116.4115	1.27		EX:ERDA
1975302	1975/10/29	00:00:00.0	49.9539	78.8739			EX>NNCKR

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jdate	date	time	latitude	longitude	depth	mb	source
1975324	1975/11/20	15:00:00.1	37.2250	-116.3676	0.82		EX:ERDA
1975330	1975/11/26	15:30:00.2	37.1173	-116.0189	0.33		EX:ERDA
1975354	1975/12/20	20:00:00.2	37.1276	-116.0616	0.72		EX:ERDA
1975359	1975/12/25	00:00:00.0	50.0439	78.8200			EX>NNCKR
1976003	1976/01/03	19:15:00.2	37.2966	-116.3332	1.45		EX:ERDA
1976035	1976/02/04	14:20:00.1	37.0693	-116.0302	0.64		EX:ERDA
1976035	1976/02/04	14:40:00.2	37.1066	-116.0374	0.66		EX:ERDA
1976043	1976/02/12	14:45:00.2	37.2714	-116.4884	1.22		EX:ERDA
1976045	1976/02/14	11:30:00.2	37.2426	-116.4202	1.17		EX:ERDA
1976069	1976/03/09	14:00:00.1	37.3100	-116.3642	0.87		EX:ERDA
1976074	1976/03/14	12:30:00.2	37.3060	-116.4715	1.27		EX:ERDA
1976077	1976/03/17	14:15:00.1	37.2559	-116.3119	0.88		EX:ERDA
1976077	1976/03/17	14:45:00.1	37.1073	-116.0525	0.78		EX:ERDA
1976112	1976/04/21	00:00:00.0	49.9006	78.8308			EX>NNCKR
1976133	1976/05/12	19:50:00.2	37.2091	-116.2125	0.40		EX:ERDA
1976161	1976/06/09	00:00:00.0	49.9936	79.0244			EX>NNCKR
1976186	1976/07/04	00:00:00.0	49.9042	78.8994			EX>NNCKR
1976209	1976/07/27	20:30:00.1	37.0754	-116.0438	0.64		EX:ERDA
1976239	1976/08/26	14:30:00.2	37.1250	-116.0820	0.54		EX:ERDA
1976241	1976/08/28	00:00:00.0	49.9750	78.9264			EX>NNCKR
1976328	1976/11/23	00:00:00.0	50.0131	78.9433			EX>NNCKR
1976328	1976/11/23	15:15:00.2	37.1717	-116.0527	0.32		EX:ERDA
1976342	1976/12/07	00:00:00.0	49.9439	78.8392			EX>NNCKR
1976342	1976/12/07	00:00:00.0	49.8992	78.7864			EX>NNCKR
1976343	1976/12/08	14:49:30.1	37.0793	-116.0016	0.43		EX:ERDA
1976356	1976/12/21	15:09:00.2	37.1239	-116.0675	0.33		EX:ERDA
1976363	1976/12/28	18:00:00.1	37.1005	-116.0365	0.64		EX:ERDA
1977095	1977/04/05	15:00:00.2	37.1202	-116.0623	0.69		EX:ERDA
1977117	1977/04/27	15:00:00.1	37.0948	-116.0279	0.59		EX:ERDA
1977145	1977/05/25	17:00:00.1	37.0943	-116.0449	0.56		EX:ERDA
1977149	1977/05/29	00:00:00.0	49.9464	78.7717			EX>NNCKR
1977180	1977/06/29	00:00:00.0	49.9994	78.8667			EX>NNCKR
1977216	1977/08/04	16:40:00.1	37.0866	-116.0069	0.52		EX:ERDA
1977231	1977/08/19	17:55:00.1	37.1100	-116.0545	0.70		EX:ERDA
1977248	1977/09/05	00:00:00.0	50.0556	78.9142			EX>NNCKR
1977258	1977/09/15	14:36:30.1	37.0328	-116.0431	0.38		EX:ERDA
1977270	1977/09/27	14:00:00.2	37.1512	-116.0676	0.53		EX:ERDA
1977299	1977/10/26	14:15:00.1	37.0076	-116.0167	0.38		EX:ERDA
1977302	1977/10/29	00:00:00.0	50.0522	78.9803			EX>NNCKR
1977305	1977/11/01	18:06:00.1	37.1878	-116.2130	0.39		EX:ERDA
1977313	1977/11/09	22:00:00.1	37.0721	-116.0500	0.70		EX:ERDA
1977316	1977/11/12	00:00:00.0	50.0522	78.8644			EX>NNCKR
1977321	1977/11/17	19:30:00.1	37.0206	-116.0251	0.37		EX:ERDA

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jdate	date	time	latitude	longitude	depth	mb	source
1977334	1977/11/30	00:00:00.0	49.9672	78.8744			EX:NNCKR
1977348	1977/12/14	15:30:00.2	37.1359	-116.0860	0.67		EX:ERDA
1978044	1978/02/13	21:53:00.2	37.1261	-116.0317	0.32		EX:DOE
1978054	1978/02/23	17:00:00.2	37.1237	-116.0638	0.66		EX:DOE
1978082	1978/03/23	16:30:00.2	37.1018	-116.0511	0.64		EX:DOE
1978101	1978/04/11	15:30:00.2	37.2996	-116.3267	0.63		EX:DOE
1978101	1978/04/11	17:45:00.1	37.2335	-116.3685	0.67		EX:DOE
1978130	1978/05/10	00:00:00.0	37.0878	-116.0526	0.64		EX:DOE
1978162	1978/06/11	00:00:00.0	49.9133	78.8019			EX:NNCKR
1978186	1978/07/05	00:00:00.0	49.9000	78.8667			EX:NNCKR
1978193	1978/07/12	17:00:00.1	37.0787	-116.0438	0.56		EX:DOE
1978241	1978/08/29	00:00:00.0	50.0061	78.9672			EX:NNCKR
1978243	1978/08/31	14:00:00.2	37.2759	-116.3573	0.68		EX:DOE
1978256	1978/09/13	15:15:00.2	37.2088	-116.2108	0.39		EX:DOE
1978258	1978/09/15	00:00:00.0	49.9283	78.8617			EX:NNCKR
1978270	1978/09/27	17:00:00.1	37.0798	-116.0513	0.44		EX:DOE
1978270	1978/09/27	17:20:00.1	37.0739	-116.0198	0.64		EX:DOE
1978306	1978/11/02	15:25:00.2	37.2879	-116.2975	0.58		EX:DOE
1978308	1978/11/04	00:00:00.0	50.0417	78.9472			EX:NNCKR
1978322	1978/11/18	19:00:00.2	37.1269	-116.0839	0.54		EX:DOE
1978333	1978/11/29	00:00:00.0	49.9533	78.7953			EX:NNCKR
1978350	1978/12/16	15:30:00.2	37.2734	-116.4103	0.69		EX:DOE
1979024	1979/01/24	18:00:00.1	37.1054	-116.0117	0.33		EX:DOE
1979032	1979/02/01	00:00:00.0	50.0808	78.8533			EX:NNCKR
1979039	1979/02/08	20:00:00.1	37.1025	-116.0548	0.58		EX:DOE
1979046	1979/02/15	18:05:00.2	37.1520	-116.0718	0.54		EX:DOE
1979073	1979/03/14	18:30:00.1	37.0278	-116.0398	0.37		EX:DOE
1979162	1979/06/11	14:00:00.2	37.2897	-116.4553	0.68		EX:DOE
1979171	1979/06/20	15:00:13.5	37.1076	-116.0151	0.34		EX:DOE
1979174	1979/06/23	00:00:00.0	49.9147	78.8458			EX:NNCKR
1979179	1979/06/28	14:44:00.2	37.1432	-116.0875	0.54		EX:DOE
1979188	1979/07/07	00:00:00.0	50.0331	78.9892			EX:NNCKR
1979215	1979/08/03	15:07:30.2	37.0840	-116.0699	0.45		EX:DOE
1979216	1979/08/04	00:00:00.0	49.9031	78.8878			EX:NNCKR
1979220	1979/08/08	15:00:00.1	37.0147	-116.0080	0.40		EX:DOE
1979230	1979/08/18	00:00:00.0	49.9481	78.9189			EX:NNCKR
1979241	1979/08/29	15:08:00.2	37.1212	-116.0666	0.46		EX:DOE
1979249	1979/09/06	15:00:00.1	37.0881	-116.0528	0.64		EX:DOE
1979251	1979/09/08	17:02:00.1	37.1550	-116.0382	0.20		EX:DOE
1979269	1979/09/26	15:00:00.1	37.2291	-116.3641	0.64		EX:DOE
1979301	1979/10/28	00:00:00.0	49.9967	78.9950			EX:NNCKR
1979333	1979/11/29	15:00:00.1	36.9940	-116.0241	0.23		EX:DOE
1979336	1979/12/02	00:00:00.0	49.9094	78.7844			EX:NNCKR

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jdate	date	time	latitude	longitude	depth	mb	source
1979348	1979/12/14	18:00:00.1	37.1374	-116.0631	0.21		EX:DOE
1979357	1979/12/23	00:00:00.0	49.9322	78.7528			EX>NNCKR
1980059	1980/02/28	15:00:00.1	37.1265	-116.0885	0.37		EX:DOE
1980068	1980/03/08	15:35:00.1	37.1799	-116.0831	0.27		EX:DOE
1980094	1980/04/03	14:00:00.1	37.1499	-116.0823	0.42		EX:DOE
1980107	1980/04/16	20:00:00.1	37.1011	-116.0305	0.58		EX:DOE
1980116	1980/04/25	00:00:00.0	49.9764	78.7594			EX>NNCKR
1980117	1980/04/26	17:00:00.1	37.2484	-116.4224	0.63		EX:DOE
1980123	1980/05/02	18:46:30.1	37.0560	-116.0190	0.35		EX:DOE
1980143	1980/05/22	13:00:00.1	37.0031	-116.0314	0.34		EX:DOE
1980164	1980/06/12	00:00:00.0	49.9887	78.9911			EX>NNCKR
1980164	1980/06/12	17:15:00.1	37.2817	-116.4539	0.65		EX:DOE
1980176	1980/06/24	15:10:00.1	37.0233	-116.0341	0.32		EX:DOE
1980181	1980/06/29	00:00:00.0	49.9486	78.8181			EX>NNCKR
1980207	1980/07/25	19:05:00.1	37.2563	-116.4774	0.68		EX:DOE
1980213	1980/07/31	18:19:00.1	37.0130	-116.0227	0.37		EX:DOE
1980258	1980/09/14	00:00:00.0	49.9367	78.7975			EX>NNCKR
1980269	1980/09/25	14:45:00.1	37.0562	-116.0481	0.38		EX:DOE
1980269	1980/09/25	15:26:30.1	37.1159	-116.0646	0.42		EX:DOE
1980286	1980/10/12	00:00:00.0	49.9675	79.0225			EX>NNCKR
1980298	1980/10/24	19:15:00.1	37.0746	-115.9993	0.43		EX:DOE
1980305	1980/10/31	18:00:00.1	37.2113	-116.2054	0.39		EX:DOE
1980319	1980/11/14	16:50:00.1	37.1110	-116.0187	0.32		EX:DOE
1980349	1980/12/14	00:00:00.0	49.9089	78.9186			EX>NNCKR
1980352	1980/12/17	15:10:00.1	37.3248	-116.3117	0.57		EX:DOE
1980362	1980/12/27	00:00:00.0	50.0619	78.9753			EX>NNCKR
1981015	1981/01/15	20:25:00.1	37.0871	-116.0448	0.56		EX:DOE
1981036	1981/02/05	18:00:00.1	37.0109	-116.0322	0.35		EX:DOE
1981056	1981/02/25	15:00:00.8	37.1819	-116.0842	0.20		EX:DOE
1981088	1981/03/29	00:00:00.0	50.0181	78.9788			EX>NNCKR
1981112	1981/04/22	00:00:00.0	49.8989	78.8086			EX>NNCKR
1981120	1981/04/30	14:35:00.1	37.1773	-116.0848	0.32		EX:DOE
1981147	1981/05/27	00:00:00.0	49.9869	78.9706			EX>NNCKR
1981149	1981/05/29	16:00:00.1	37.1019	-116.0041	0.32		EX:DOE
1981157	1981/06/06	18:00:00.1	37.3034	-116.3256	0.64		EX:DOE
1981191	1981/07/10	14:00:00.1	37.1286	-116.0338	0.34		EX:DOE
1981197	1981/07/16	15:00:00.1	37.0887	-116.0194	0.20		EX:DOE
1981217	1981/08/05	13:41:00.1	37.1537	-116.0351	0.20		EX:DOE
1981239	1981/08/27	14:31:00.1	37.1604	-116.0665	0.29		EX:DOE
1981247	1981/09/04	15:00:00.1	37.0581	-116.0481	0.30		EX:DOE
1981256	1981/09/13	00:00:00.0	49.9133	78.8944			EX>NNCKR
1981267	1981/09/24	15:00:00.1	37.0085	-116.0238	0.21		EX:DOE
1981274	1981/10/01	19:00:00.1	37.0816	-116.0088	0.47		EX:DOE

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1981291	1981/10/18	00:00:00.0	49.9281	78.8447			EX:NNCKR
1981315	1981/11/11	20:00:00.0	37.0763	-116.0685	0.45		EX:DOE
1981316	1981/11/12	15:00:00.1	37.1082	-116.0490	0.52		EX:DOE
1981333	1981/11/29	00:00:00.0	49.9019	78.8489			EX:NNCKR
1981337	1981/12/03	15:00:00.1	37.1484	-116.0708	0.49		EX:DOE
1981350	1981/12/16	21:05:00.1	37.1145	-116.1229	0.34		EX:DOE
1981361	1981/12/27	00:00:00.0	49.9331	78.7783			EX:NNCKR
1982028	1982/01/28	16:00:00.1	37.0913	-116.0512	0.64		EX:DOE
1982043	1982/02/12	14:55:00.1	37.2243	-116.4627	0.64		EX:DOE
1982043	1982/02/12	15:25:00.1	37.3480	-116.3161	0.64		EX:DOE
1982107	1982/04/17	18:00:00.1	37.0168	-116.0099	0.36		EX:DOE
1982115	1982/04/25	00:00:00.0	49.9169	78.8878			EX:NNCKR
1982115	1982/04/25	18:05:00.1	37.2558	-116.4224	0.57		EX:DOE
1982126	1982/05/06	20:00:00.1	37.1168	-116.1269	0.34		EX:DOE
1982127	1982/05/07	18:17:00.1	37.0691	-116.0455	0.56		EX:DOE
1982167	1982/06/16	14:00:00.8	37.1142	-116.0166	0.29		EX:DOE
1982175	1982/06/24	14:15:00.1	37.2362	-116.3702	0.20		EX:DOE
1982185	1982/07/04	00:00:00.0	49.9586	78.8117			EX:NNCKR
1982210	1982/07/29	20:05:00.1	37.1023	-116.0750	0.12		EX:DOE
1982217	1982/08/05	14:00:00.1	37.0842	-116.0065	0.20		EX:DOE
1982223	1982/08/11	15:00:00.0	37.1898	-116.0477	0.07		EX:DOE
1982243	1982/08/31	00:00:00.0	49.9142	78.7614			EX:NNCKR
1982245	1982/09/02	14:00:00.1	37.0197	-116.0157	0.07		EX:DOE
1982266	1982/09/23	16:00:00.1	37.2120	-116.2068	0.12		EX:DOE
1982266	1982/09/23	17:00:00.1	37.1748	-116.0878	0.14		EX:DOE
1982272	1982/09/29	13:30:00.1	37.0913	-116.0449	0.17		EX:DOE
1982316	1982/11/12	19:17:00.1	37.0237	-116.0321	0.37		EX:DOE
1982339	1982/12/05	00:00:00.0	49.9308	78.8097			EX:NNCKR
1982344	1982/12/10	15:20:00.1	37.0302	-116.0719	0.41		EX:DOE
1982360	1982/12/26	00:00:00.0	50.0631	78.9939			EX:NNCKR
1983042	1983/02/11	16:00:00.1	37.0506	-116.0453	0.00		EX:DOE
1983048	1983/02/17	17:00:00.1	37.1628	-116.0633	0.00		EX:DOE
1983085	1983/03/26	20:20:00.1	37.3007	-116.4600	0.00		EX:DOE
1983104	1983/04/14	19:05:00.1	37.0728	-116.0460	0.00		EX:DOE
1983112	1983/04/22	13:53:00.1	37.1115	-116.0224	0.00		EX:DOE
1983125	1983/05/05	15:20:00.1	37.0123	-116.0892	0.00		EX:DOE
1983146	1983/05/26	15:00:00.1	37.1029	-116.0057	0.00		EX:DOE
1983160	1983/06/09	17:10:00.1	37.1576	-116.0892	0.00		EX:DOE
1983163	1983/06/12	00:00:00.0	49.9250	78.8981			EX:NNCKR
1983215	1983/08/03	13:33:00.1	37.1190	-116.0889	0.00		EX:DOE
1983223	1983/08/11	14:00:00.1	36.9977	-116.0027	0.00		EX:DOE
1983244	1983/09/01	14:00:00.1	37.2728	-116.3550	0.00		EX:DOE
1983264	1983/09/21	15:00:00.1	37.2097	-116.2093	0.00		EX:DOE

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1983265	1983/09/22	15:00:00.1	37.1056	-116.0494	0.00		EX:DOE
1983279	1983/10/06	00:00:00.0	49.9246	78.7507			EX>NNCKR
1983299	1983/10/26	00:00:00.0	49.9125	78.8217			EX>NNCKR
1983324	1983/11/20	00:00:00.0	50.0508	78.9992			EX>NNCKR
1983350	1983/12/16	18:30:00.1	37.1405	-116.0721	0.00		EX:DOE
1984031	1984/01/31	15:30:00.1	37.1127	-116.1217	0.00		EX:DOE
1984046	1984/02/15	17:00:00.1	37.2214	-116.1811	0.00		EX:DOE
1984050	1984/02/19	00:00:00.0	49.8961	78.7431			EX>NNCKR
1984061	1984/03/01	17:45:00.1	37.0658	-116.0463	0.00		EX:DOE
1984067	1984/03/07	00:00:00.0	50.0500	78.9561			EX>NNCKR
1984089	1984/03/29	00:00:00.0	49.9111	78.9269			EX>NNCKR
1984091	1984/03/31	14:30:00.1	37.1464	-116.0841	0.00		EX:DOE
1984116	1984/04/25	00:00:00.0	49.9358	78.8506			EX>NNCKR
1984122	1984/05/01	19:05:00.1	37.1062	-116.0224	0.00		EX:DOE
1984147	1984/05/26	00:00:00.0	49.9789	79.0056			EX>NNCKR
1984152	1984/05/31	13:04:00.1	37.1031	-116.0480	0.00		EX:DOE
1984172	1984/06/20	15:15:00.1	37.0004	-116.0431	0.00		EX:DOE
1984196	1984/07/14	00:00:00.0	49.9094	78.8772			EX>NNCKR
1984207	1984/07/25	15:30:00.1	37.2678	-116.4106	0.00		EX:DOE
1984215	1984/08/02	15:00:00.1	37.0171	-116.0076	0.00		EX:DOE
1984243	1984/08/30	14:45:00.1	37.0898	-115.9980	0.00		EX:DOE
1984257	1984/09/13	00:00:00.0	37.0867	-116.0712	0.00		EX:DOE
1984301	1984/10/27	00:00:00.0	49.9347	78.9281			EX>NNCKR
1984315	1984/11/10	16:40:00.1	37.0001	-116.0174	0.00		EX:DOE
1984337	1984/12/02	00:00:00.0	50.0061	79.0089			EX>NNCKR
1984344	1984/12/09	19:40:00.1	37.2701	-116.4976	0.00		EX:DOE
1984350	1984/12/15	00:00:00.0	37.2811	-116.3054	0.00		EX:DOE
1984351	1984/12/16	00:00:00.0	49.9458	78.8086			EX>NNCKR
1984363	1984/12/28	00:00:00.0	49.8803	78.7039			EX>NNCKR
1985041	1985/02/10	00:00:00.0	49.8992	78.7806			EX>NNCKR
1985074	1985/03/15	16:31:00.1	37.0581	-116.0453	0.00		EX:DOE
1985082	1985/03/23	18:30:00.1	37.1800	-116.0890	0.00		EX:DOE
1985092	1985/04/02	20:00:00.1	37.0948	-116.0323	0.00		EX:DOE
1985096	1985/04/06	23:15:00.1	37.2008	-116.2072	0.00		EX:DOE
1985115	1985/04/25	00:00:00.0	49.9267	78.8808			EX>NNCKR
1985122	1985/05/02	15:20:00.1	37.2534	-116.3252	0.00		EX:DOE
1985163	1985/06/12	15:15:00.1	37.2479	-116.4891	0.00		EX:DOE
1985163	1985/06/12	17:30:00.1	37.0883	-116.0839	0.00		EX:DOE
1985166	1985/06/15	00:00:00.0	49.9203	78.8194			EX>NNCKR
1985177	1985/06/26	18:03:00.1	37.1241	-116.1220	0.00		EX:DOE
1985181	1985/06/30	00:00:00.0	49.8644	78.6686			EX>NNCKR
1985201	1985/07/20	00:00:00.0	49.9497	78.7839			EX>NNCKR
1985206	1985/07/25	14:00:00.1	37.2973	-116.4381	0.00		EX:DOE

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jdate	date	time	latitude	longitude	depth	mb	source
1985229	1985/08/17	16:25:00.1	37.0023	-116.0430	0.00		EX:DOE
1985270	1985/09/27	14:15:00.1	37.0898	-116.0018	0.00		EX:DOE
1985282	1985/10/09	23:20:00.1	37.2097	-116.2101	0.00		EX:DOE
1985289	1985/10/16	21:35:00.1	37.1099	-116.1214	0.00		EX:DOE
1985339	1985/12/05	15:00:00.1	37.0533	-116.0454	0.00		EX:DOE
1985362	1985/12/28	19:01:00.1	37.2378	-116.4727	0.00		EX:DOE
1986081	1986/03/22	16:15:00.1	37.0830	-116.0661	0.00		EX:DOE
1986100	1986/04/10	14:08:30.1	37.2183	-116.1831	0.00		EX:DOE
1986112	1986/04/22	14:30:00.1	37.2641	-116.4402	0.00		EX:DOE
1986141	1986/05/21	13:59:00.1	37.1250	-116.0604	0.00		EX:DOE
1986156	1986/06/05	15:04:00.1	37.0983	-116.0155	0.00		EX:DOE
1986176	1986/06/25	00:00:00.0	37.2646	-116.4993	0.00		EX:DOE
1986198	1986/07/17	21:00:00.1	37.2787	-116.3556	0.00		EX:DOE
1986205	1986/07/24	15:05:00.1	37.1427	-116.0711	0.00		EX:DOE
1986254	1986/09/11	14:57:00.1	37.0691	-116.0497	0.00		EX:DOE
1986273	1986/09/30	22:30:00.1	37.3001	-116.3074	0.00		EX:DOE
1986289	1986/10/16	19:25:00.1	37.2202	-116.4616	0.00		EX:DOE
1986318	1986/11/14	16:00:00.1	37.1004	-116.0481	0.00		EX:DOE
1986347	1986/12/13	17:50:05.1	37.2630	-116.4117	0.00		EX:DOE
1987034	1987/02/03	15:20:00.1	37.1811	-116.0484	0.00		EX:DOE
1987042	1987/02/11	16:45:00.1	37.0107	-116.0447	0.00		EX:DOE
1987071	1987/03/12	00:00:00.0	49.9353	78.8289			EX>NNCKR
1987077	1987/03/18	18:28:00.1	37.2102	-116.2086	0.00		EX:DOE
1987093	1987/04/03	00:00:00.0	49.9181	78.7803			EX>NNCKR
1987107	1987/04/17	00:00:00.0	49.8778	78.6800			EX>NNCKR
1987108	1987/04/18	13:40:00.6	37.2479	-116.5091	0.00		EX:DOE
1987112	1987/04/22	22:00:00.1	36.9831	-116.0046	0.00		EX:DOE
1987120	1987/04/30	13:30:00.1	37.2330	-116.4231	0.00		EX:DOE
1987169	1987/06/18	15:20:00.1	37.1936	-116.0350	0.00		EX:DOE
1987171	1987/06/20	00:00:00.0	49.9353	78.7442			EX>NNCKR
1987171	1987/06/20	00:00:00.0	37.2200	-116.1778	0.00		EX:DOE
1987181	1987/06/30	16:05:00.1	36.9986	-116.0431	0.00		EX:DOE
1987197	1987/07/16	19:00:00.1	37.1036	-116.0234	0.00		EX:DOE
1987214	1987/08/02	00:00:00.0	49.8806	78.8747			EX>NNCKR
1987225	1987/08/13	14:00:00.1	37.0610	-116.0453	0.00		EX:DOE
1987267	1987/09/24	15:00:00.1	37.2280	-116.3747	0.00		EX:DOE
1987296	1987/10/23	16:00:00.1	37.1419	-116.0787	0.00		EX:DOE
1987319	1987/11/15	00:00:00.0	49.8986	78.7581			EX>NNCKR
1987335	1987/12/01	16:30:00.1	36.9964	-116.0045	0.00		EX:DOE
1987336	1987/12/02	16:30:00.1	37.2347	-116.1634	0.00		EX:DOE
1987347	1987/12/13	00:00:00.0	49.9631	78.7931			EX>NNCKR
1987361	1987/12/27	00:00:00.0	49.8794	78.7250			EX>NNCKR
1988044	1988/02/13	00:00:00.0	49.9367	78.8639			EX>NNCKR

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1988046	1988/02/15	18:10:00.1	37.3144	-116.4715	0.00		EX:DOE
1988094	1988/04/03	00:00:00.0	49.9083	78.9083			EX>NNCKR
1988098	1988/04/07	17:15:00.1	37.0132	-116.0443	0.00		EX:DOE
1988125	1988/05/04	00:00:00.0	49.9494	78.7503			EX>NNCKR
1988134	1988/05/13	15:35:00.1	37.1244	-116.0721	0.00		EX:DOE
1988142	1988/05/21	22:30:00.1	37.0325	-115.9873	0.00		EX:DOE
1988154	1988/06/02	13:00:00.1	37.2601	-116.4411	0.00		EX:DOE
1988166	1988/06/14	00:00:00.0	50.0189	78.9606			EX>NNCKR
1988174	1988/06/22	14:00:00.1	37.1662	-116.0722	0.00		EX:DOE
1988189	1988/07/07	15:05:30.1	37.2524	-116.3767	0.00		EX:DOE
1988230	1988/08/17	17:00:00.1	37.2972	-116.3065	0.00		EX:DOE
1988243	1988/08/30	18:00:00.1	37.0859	-116.0685	0.00		EX:DOE
1988258	1988/09/14	04:00:00.0	49.8788	78.8225	0.00		EX:MURPHY+JENAB
1988287	1988/10/13	14:00:00.1	37.0890	-116.0493	0.00		EX:DOE
1988317	1988/11/12	00:00:00.0	50.0431	78.9689			EX>NNCKR
1988345	1988/12/10	20:30:00.1	37.1990	-116.2094	0.00		EX:DOE
1988352	1988/12/17	00:00:00.0	49.8819	78.9247			EX>NNCKR
1989022	1989/01/22	00:00:00.0	49.9394	78.8194			EX>NNCKR
1989041	1989/02/10	20:06:00.1	37.0768	-116.0006	0.00		EX:DOE
1989043	1989/02/12	00:00:00.0	49.9186	78.7111			EX>NNCKR
1989055	1989/02/24	16:15:00.1	37.1285	-116.1220	0.00		EX:DOE
1989068	1989/03/09	14:05:00.1	37.1428	-116.0669	0.00		EX:DOE
1989135	1989/05/15	13:10:00.1	37.1076	-116.1209	0.00		EX:DOE
1989146	1989/05/26	18:07:00.0	37.0859	-116.0551	0.00		EX:DOE
1989173	1989/06/22	21:15:00.8	37.2829	-116.4123	0.00		EX:DOE
1989178	1989/06/27	15:30:00.0	37.2755	-116.3536	0.00		EX:DOE
1989189	1989/07/08	00:00:00.0	49.8678	78.7803			EX>NNCKR
1989245	1989/09/02	00:00:00.0	50.0058	78.9856			EX>NNCKR
1989257	1989/09/14	15:00:00.1	37.2359	-116.1629	0.00		EX:DOE
1989292	1989/10/19	00:00:00.0	49.9222	78.9083			EX>NNCKR
1989304	1989/10/31	15:30:00.1	37.2631	-116.4907	0.00		EX:DOE
1989319	1989/11/15	20:20:00.1	37.1065	-116.0134	0.00		EX:DOE
1989342	1989/12/08	15:00:00.1	37.2311	-116.4094	0.00		EX:DOE
1990069	1990/03/10	16:00:00.1	37.1125	-116.0552	0.00		EX:DOE
1990164	1990/06/13	16:00:00.0	37.2616	-116.4201	0.00		EX:DOE
1990172	1990/06/21	18:15:00.0	36.9928	-116.0045	0.00		EX:DOE
1990206	1990/07/25	15:00:00.1	37.2069	-116.2143	0.00		EX:DOE
1990285	1990/10/12	17:30:00.1	37.2479	-116.4942	0.00		EX:DOE
1990318	1990/11/14	19:17:00.7	37.2274	-116.3712	0.00		EX:DOE
1991067	1991/03/08	21:02:45.1	37.1044	-116.0740	0.00		EX:DOE
1991094	1991/04/04	19:00:00.0	37.2961	-116.3129	0.00		EX:DOE
1991106	1991/04/16	15:30:00.1	37.2454	-116.4416	0.00		EX:DOE
1991227	1991/08/15	16:00:00.0	37.0873	-116.0018	0.00		EX:DOE

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jdate	date	time	latitude	longitude	depth	mb	source
1991257	1991/09/14	19:00:00.0	37.2256	-116.4281	0.00		EX:DOE
1991262	1991/09/19	16:30:00.1	37.2357	-116.1664	0.00		EX:DOE
1991291	1991/10/18	19:12:00.0	37.0634	-116.0453	0.00		EX:DOE
1991330	1991/11/26	18:35:00.1	37.0965	-116.0696	0.00		EX:DOE
1992086	1992/03/26	16:30:00.0	37.2725	-116.3598	0.00		EX:DOE
1992171	1992/06/19	16:45:00.0	37.0054	-116.0101	0.00		EX:DOE
1992175	1992/06/23	15:00:00.1	37.1239	-116.0312	0.00		EX:DOE
1992262	1992/09/18	17:00:00.0	37.2069	-116.2099	0.00		EX:DOE
1992307	1992/11/02	15:13:26.6	46.7205	8.4214	0.00		CHE_NDC
1993265	1993/09/22	07:01:00.1	37.2014	-116.2099	0.34		DOE
1995034	1995/02/03	15:26:16.0	41.4885	-109.7850	1.00		REDB-USA_NDC
1995070	1995/03/11	08:15:53.0	36.9322	-83.0253	0.00		REDB-USA_NDC
1995147	1995/05/27	21:00:02.4	55.1792	22.9417			KVARNA
1995147	1995/05/27	21:20:01.3	54.4321	24.4526			KVARNA
1995147	1995/05/27	21:40:01.2	55.5133	22.2094			KVARNA
1995147	1995/05/27	22:00:01.4	54.8254	23.6588			KVARNA
1995147	1995/05/27	22:19:59.6	55.8599	21.4519			KVARNA
1995148	1995/05/28	21:00:05.2	55.3447	22.5173			KVARNA
1995148	1995/05/28	21:20:02.0	54.6089	24.0969			KVARNA
1995148	1995/05/28	21:40:00.8	55.7066	21.8052			KVARNA
1995148	1995/05/28	22:00:01.3	55.0024	23.3008			KVARNA
1995148	1995/05/28	22:20:01.2	56.0105	21.1390			KVARNA
1995150	1995/05/30	02:00:00.0	57.1710	18.0760			KVARNA
1995221	1995/08/09	07:00:00.0	49.0177	-110.4274	0.00		CAN_NDC
1995221	1995/08/09	07:20:00.0	57.1885	-111.5637	0.00		CAN_NDC
1995221	1995/08/09	07:40:00.0	54.9153	-111.2369	0.00		CAN_NDC
1995221	1995/08/09	11:00:00.0	32.6324	-108.3878	0.00		USA_NDC
1995221	1995/08/09	11:30:00.0	42.7308	-107.6675	0.00		REDB-USA_NDC
1995229	1995/08/17	07:00:00.0	37.5767	-108.4443	0.00		USA_NDC
1995229	1995/08/17	07:30:00.0	57.1923	-111.5529	0.00		CAN_NDC
1995229	1995/08/17	09:00:00.0	60.8815	-114.2355	0.00		CAN_NDC
1995229	1995/08/17	11:00:00.0	32.6324	-108.3878	0.00		USA_NDC
1995229	1995/08/17	11:30:00.0	42.7299	-107.6655	0.00		REDB-USA_NDC
1995246	1995/09/03	21:39:38.0	46.7297	-89.5012	0.00		PHILLIPSE
1996189	1996/07/07	21:00:01.2	54.6089	24.0972			KVARNA
1996189	1996/07/07	21:30:01.9	54.0644	25.1653			KVARNA
1996189	1996/07/07	22:30:00.3	53.7111	25.8383			KVARNA
1996189	1996/07/07	23:00:04.1	52.9389	27.0944			KVARNA
1996190	1996/07/08	00:00:03.0	54.2528	24.8258			KVARNA
1996190	1996/07/08	21:00:03.6	54.8258	23.6617			KVARNA
1996190	1996/07/08	22:00:01.0	53.5244	26.1500			KVARNA
1996190	1996/07/08	22:30:00.7	53.3322	26.4944			KVARNA
1996190	1996/07/08	23:00:00.7	52.5600	27.6425			KVARNA

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jdate	date	time	latitude	longitude	depth	mb	source
1996191	1996/07/09	00:00:00.2	53.8922	25.4983			KVARNA
1996194	1996/07/12	21:00:00.6	53.7111	25.8383			KVARNA
1996194	1996/07/12	22:30:03.3	52.1436	28.2553			KVARNA
1996194	1996/07/12	23:00:00.0	51.7170	28.8300			KVARNA
1996195	1996/07/13	01:00:01.1	53.1311	26.8344			KVARNA
1996195	1996/07/13	21:00:00.8	52.5600	27.6425			KVARNA
1996195	1996/07/13	22:00:00.2	51.9233	28.5569			KVARNA
1996195	1996/07/13	22:30:02.7	52.3164	27.9810			KVARNA
1996195	1996/07/13	23:00:00.4	52.7439	27.3810			KVARNA
1996250	1996/09/06	20:24:30.0	38.4625	143.2896	0.05		HYDRO:HINO
1996250	1996/09/06	20:44:50.0	38.4801	143.2931	0.05		HYDRO:HINO
1996250	1996/09/06	21:02:00.0	38.4980	143.2965	0.05		HYDRO:HINO
1996250	1996/09/06	21:18:30.0	38.5148	143.3013	0.05		HYDRO:HINO
1996250	1996/09/06	21:33:30.2	38.5320	143.3040	0.05		HYDRO:HINO
1996250	1996/09/06	21:47:00.0	38.5503	143.3080	0.05		HYDRO:HINO
1996250	1996/09/06	22:01:20.0	38.5670	143.3110	0.05		HYDRO:HINO
1996250	1996/09/06	22:16:29.9	38.5859	143.3165	0.05		HYDRO:HINO
1996250	1996/09/06	22:31:40.1	38.6034	143.3207	0.05		HYDRO:HINO
1996250	1996/09/06	22:44:30.2	38.6213	143.3246	0.05		HYDRO:HINO
1996250	1996/09/06	23:02:49.9	38.6387	143.3282	0.05		HYDRO:HINO
1996250	1996/09/06	23:17:20.1	38.6573	143.3321	0.05		HYDRO:HINO
1996250	1996/09/06	23:29:59.9	38.6747	143.3374	0.05		HYDRO:HINO
1996250	1996/09/06	23:42:39.8	38.6923	143.3407	0.05		HYDRO:HINO
1996250	1996/09/06	23:54:59.8	38.7099	143.3443	0.05		HYDRO:HINO
1996251	1996/09/07	00:07:20.0	38.7280	143.3487	0.05		HYDRO:HINO
1996251	1996/09/07	00:20:00.1	38.7454	143.3532	0.05		HYDRO:HINO
1996251	1996/09/07	00:32:29.8	38.7636	143.3564	0.05		HYDRO:HINO
1996251	1996/09/07	00:44:50.1	38.7813	143.3605	0.05		HYDRO:HINO
1996251	1996/09/07	01:01:30.3	38.7986	143.3653	0.05		HYDRO:HINO
1996251	1996/09/07	01:13:40.3	38.8167	143.3686	0.05		HYDRO:HINO
1996251	1996/09/07	01:25:50.0	38.8348	143.3726	0.05		HYDRO:HINO
1996251	1996/09/07	01:37:40.3	38.8529	143.3768	0.05		HYDRO:HINO
1996251	1996/09/07	01:49:00.1	38.8698	143.3806	0.05		HYDRO:HINO
1996251	1996/09/07	02:01:20.2	38.8881	143.3863	0.05		HYDRO:HINO
1996251	1996/09/07	02:13:30.3	38.9052	143.3892	0.05		HYDRO:HINO
1996251	1996/09/07	02:25:30.1	38.9231	143.3930	0.05		HYDRO:HINO
1996251	1996/09/07	02:37:10.2	38.9411	143.3972	0.05		HYDRO:HINO
1996251	1996/09/07	03:19:00.1	38.9586	143.4005	0.05		HYDRO:HINO
1996251	1996/09/07	03:33:20.1	38.9759	143.4046	0.05		HYDRO:HINO
1996251	1996/09/07	03:46:00.2	38.9943	143.4085	0.05		HYDRO:HINO
1996251	1996/09/07	04:05:19.9	39.0122	143.4136	0.05		HYDRO:HINO
1996251	1996/09/07	04:17:00.0	39.0301	143.4169	0.05		HYDRO:HINO
1996251	1996/09/07	04:28:10.0	39.0468	143.4195	0.05		HYDRO:HINO

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1996251	1996/09/07	04:40:40.0	39.0648	143.4238	0.05		HYDRO:HINO
1996251	1996/09/07	04:52:40.1	39.0826	143.4272	0.05		HYDRO:HINO
1996251	1996/09/07	05:04:40.2	39.0998	143.4326	0.05		HYDRO:HINO
1996251	1996/09/07	05:16:50.0	39.1176	143.4372	0.05		HYDRO:HINO
1996251	1996/09/07	05:29:10.0	39.1354	143.4409	0.05		HYDRO:HINO
1996251	1996/09/07	05:41:30.1	39.1534	143.4450	0.05		HYDRO:HINO
1996251	1996/09/07	06:01:40.4	39.1888	143.4526	0.05		HYDRO:HINO
1996251	1996/09/07	06:13:30.0	39.2068	143.4570	0.05		HYDRO:HINO
1996251	1996/09/07	06:25:20.1	39.2249	143.4616	0.05		HYDRO:HINO
1996251	1996/09/07	06:36:30.0	39.2420	143.4654	0.05		HYDRO:HINO
1996251	1996/09/07	06:47:50.0	39.2604	143.4686	0.05		HYDRO:HINO
1996251	1996/09/07	07:00:20.2	39.2770	143.4737	0.05		HYDRO:HINO
1996251	1996/09/07	07:12:00.1	39.2953	143.4773	0.05		HYDRO:HINO
1996251	1996/09/07	07:23:50.2	39.3133	143.4808	0.05		HYDRO:HINO
1996251	1996/09/07	07:36:10.0	39.3310	143.4850	0.05		HYDRO:HINO
1996251	1996/09/07	07:48:20.1	39.3489	143.4896	0.05		HYDRO:HINO
1996251	1996/09/07	08:02:00.0	39.3664	143.4936	0.05		HYDRO:HINO
1996251	1996/09/07	08:13:20.0	39.3845	143.4986	0.05		HYDRO:HINO
1996251	1996/09/07	08:24:50.0	39.4016	143.5021	0.05		HYDRO:HINO
1996251	1996/09/07	08:37:00.3	39.4196	143.5069	0.05		HYDRO:HINO
1996251	1996/09/07	08:49:10.4	39.4370	143.5102	0.05		HYDRO:HINO
1996251	1996/09/07	09:09:09.9	39.4545	143.5134	0.05		HYDRO:HINO
1996251	1996/09/07	09:21:29.8	39.4727	143.5176	0.05		HYDRO:HINO
1996251	1996/09/07	22:12:00.6	39.2817	142.5829	0.10		HYDRO:HINO
1996251	1996/09/07	23:40:39.9	39.2862	142.4196	0.05		HYDRO:HINO
1996252	1996/09/08	00:01:10.0	39.2846	142.4419	0.05		HYDRO:HINO
1996252	1996/09/08	00:31:40.1	39.2816	142.4655	0.05		HYDRO:HINO
1996252	1996/09/08	01:03:50.0	39.2788	142.4888	0.05		HYDRO:HINO
1996252	1996/09/08	01:15:59.9	39.2773	142.5118	0.05		HYDRO:HINO
1996252	1996/09/08	01:28:30.3	39.2748	142.5347	0.05		HYDRO:HINO
1996252	1996/09/08	01:41:20.1	39.2721	142.5568	0.05		HYDRO:HINO
1996252	1996/09/08	02:02:40.2	39.2666	142.6041	0.05		HYDRO:HINO
1996252	1996/09/08	02:14:50.2	39.2633	142.6263	0.05		HYDRO:HINO
1996252	1996/09/08	02:27:00.2	39.2610	142.6490	0.05		HYDRO:HINO
1996252	1996/09/08	02:39:00.3	39.2584	142.6720	0.05		HYDRO:HINO
1996252	1996/09/08	03:17:30.5	39.2552	142.6958	0.05		HYDRO:HINO
1996252	1996/09/08	03:29:10.5	39.2532	142.7185	0.05		HYDRO:HINO
1996252	1996/09/08	03:40:10.6	39.2505	142.7419	0.05		HYDRO:HINO
1996252	1996/09/08	03:51:20.3	39.2475	142.7647	0.05		HYDRO:HINO
1996252	1996/09/08	04:02:50.4	39.2450	142.7870	0.05		HYDRO:HINO
1996252	1996/09/08	04:15:10.4	39.2427	142.8124	0.05		HYDRO:HINO
1996252	1996/09/08	04:27:00.2	39.2404	142.8334	0.05		HYDRO:HINO
1996252	1996/09/08	04:38:30.3	39.2365	142.8561	0.05		HYDRO:HINO

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1996252	1996/09/08	04:50:10.4	39.2353	142.8795	0.05		HYDRO:HINO
1996252	1996/09/08	05:02:10.3	39.2318	142.9011	0.05		HYDRO:HINO
1996252	1996/09/08	05:14:30.4	39.2292	142.9253	0.05		HYDRO:HINO
1996252	1996/09/08	05:27:00.5	39.2264	142.9478	0.05		HYDRO:HINO
1996252	1996/09/08	05:39:20.3	39.2247	142.9706	0.05		HYDRO:HINO
1996252	1996/09/08	06:12:40.3	39.2193	143.0178	0.05		HYDRO:HINO
1996252	1996/09/08	06:25:20.3	39.2160	143.0402	0.05		HYDRO:HINO
1996252	1996/09/08	06:37:30.5	39.2134	143.0621	0.05		HYDRO:HINO
1996252	1996/09/08	06:50:10.3	39.2097	143.0849	0.05		HYDRO:HINO
1996252	1996/09/08	07:02:50.2	39.2082	143.1081	0.05		HYDRO:HINO
1996252	1996/09/08	07:26:30.0	39.2048	143.1312	0.05		HYDRO:HINO
1996252	1996/09/08	07:47:30.3	39.1998	143.1778	0.05		HYDRO:HINO
1996252	1996/09/08	08:00:30.0	39.1974	143.2005	0.05		HYDRO:HINO
1996252	1996/09/08	08:13:10.4	39.1953	143.2235	0.05		HYDRO:HINO
1996252	1996/09/08	08:25:50.1	39.1920	143.2464	0.05		HYDRO:HINO
1996252	1996/09/08	08:39:00.0	39.1893	143.2690	0.05		HYDRO:HINO
1996252	1996/09/08	08:51:10.3	39.1871	143.2926	0.05		HYDRO:HINO
1996252	1996/09/08	09:03:10.2	39.1842	143.3157	0.05		HYDRO:HINO
1996252	1996/09/08	09:14:50.6	39.1809	143.3383	0.05		HYDRO:HINO
1996252	1996/09/08	09:27:40.4	39.1784	143.3614	0.05		HYDRO:HINO
1996252	1996/09/08	09:40:10.3	39.1749	143.3840	0.05		HYDRO:HINO
1996252	1996/09/08	09:52:30.5	39.1727	143.4079	0.05		HYDRO:HINO
1996252	1996/09/08	21:07:30.5	39.2201	143.1564	0.10		HYDRO:HINO
1996252	1996/09/08	23:00:29.9	39.1694	143.4296	0.05		HYDRO:HINO
1996252	1996/09/08	23:16:19.7	39.1677	143.4505	0.05		HYDRO:HINO
1996252	1996/09/08	23:31:49.7	39.1655	143.4742	0.05		HYDRO:HINO
1996253	1996/09/09	00:02:50.1	39.1598	143.5201	0.05		HYDRO:HINO
1996253	1996/09/09	00:18:50.4	39.1567	143.5439	0.05		HYDRO:HINO
1996253	1996/09/09	00:33:30.4	39.1543	143.5663	0.05		HYDRO:HINO
1996253	1996/09/09	00:46:59.9	39.1624	143.4941	0.05		HYDRO:HINO
1996253	1996/09/09	00:48:50.2	39.1512	143.5896	0.05		HYDRO:HINO
1996253	1996/09/09	01:03:59.9	39.1480	143.6129	0.05		HYDRO:HINO
1996253	1996/09/09	01:19:10.3	39.1443	143.6346	0.05		HYDRO:HINO
1996253	1996/09/09	01:35:30.2	39.1430	143.6590	0.05		HYDRO:HINO
1996253	1996/09/09	01:51:30.2	39.1395	143.6814	0.05		HYDRO:HINO
1996253	1996/09/09	02:07:30.2	39.1369	143.7043	0.05		HYDRO:HINO
1996253	1996/09/09	02:22:20.1	39.1341	143.7267	0.05		HYDRO:HINO
1996253	1996/09/09	02:36:59.9	39.1316	143.7497	0.05		HYDRO:HINO
1996253	1996/09/09	02:52:40.4	39.1287	143.7730	0.05		HYDRO:HINO
1996253	1996/09/09	03:28:10.2	39.1249	143.7950	0.05		HYDRO:HINO
1996253	1996/09/09	03:43:20.0	39.1233	143.8190	0.05		HYDRO:HINO
1996253	1996/09/09	04:00:20.2	39.1201	143.8380	0.05		HYDRO:HINO
1996253	1996/09/09	04:14:40.2	39.1159	143.8631	0.05		HYDRO:HINO

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jdate	date	time	latitude	longitude	depth	mb	source
1996253	1996/09/09	04:29:00.1	39.1146	143.8880	0.05		HYDRO:HINO
1996253	1996/09/09	04:42:50.2	39.1111	143.9102	0.05		HYDRO:HINO
1996253	1996/09/09	04:56:20.1	39.1092	143.9329	0.05		HYDRO:HINO
1996253	1996/09/09	05:09:50.2	39.1063	143.9554	0.05		HYDRO:HINO
1996253	1996/09/09	05:23:50.1	39.1033	143.9789	0.05		HYDRO:HINO
1996253	1996/09/09	06:06:40.0	39.0997	144.0019	0.05		HYDRO:HINO
1996253	1996/09/09	06:22:00.1	39.0969	144.0244	0.05		HYDRO:HINO
1996253	1996/09/09	09:20:50.3	39.4902	143.5212	0.05		HYDRO:HINO
1996253	1996/09/09	09:31:39.9	39.5079	143.5264	0.05		HYDRO:HINO
1996253	1996/09/09	09:42:30.0	39.5261	143.5301	0.05		HYDRO:HINO
1996253	1996/09/09	09:54:00.1	39.5432	143.5342	0.05		HYDRO:HINO
1996253	1996/09/09	10:05:20.0	39.5611	143.5395	0.05		HYDRO:HINO
1996253	1996/09/09	10:16:50.2	39.5790	143.5419	0.05		HYDRO:HINO
1996253	1996/09/09	10:28:50.0	39.5965	143.5458	0.05		HYDRO:HINO
1996253	1996/09/09	10:40:30.0	39.6139	143.5504	0.05		HYDRO:HINO
1996253	1996/09/09	10:52:30.1	39.6320	143.5543	0.05		HYDRO:HINO
1996253	1996/09/09	11:04:20.1	39.6498	143.5596	0.05		HYDRO:HINO
1996253	1996/09/09	11:15:50.1	39.6668	143.5630	0.05		HYDRO:HINO
1996253	1996/09/09	11:27:10.0	39.6849	143.5671	0.05		HYDRO:HINO
1996253	1996/09/09	11:38:30.2	39.7022	143.5714	0.05		HYDRO:HINO
1996253	1996/09/09	21:20:00.1	39.2215	142.9940	0.05		HYDRO:HINO
1996273	1996/09/29	06:05:46.0	67.6700	33.7300	0.00		REDB-RUS_NDC
1997089	1997/03/30	08:38:08.7	30.8553	34.9928	1.00		ISR_NDC
1997096	1997/04/06	09:39:25.6	30.8577	34.9958	1.00		ISR_NDC
1997142	1997/05/22	04:50:00.0	38.0042	-81.2751	0.00		NRC
1997177	1997/06/26	05:13:00.0	38.0042	-81.2756	0.00		NRC
1997194	1997/07/13	08:11:08.8	49.8790	78.7600	0.63		KAZ_NDC
1997215	1997/08/03	08:07:20.0	49.9412	78.7860	0.05		REDB-DTRA/DoD
1997228	1997/08/16	09:20:00.0	60.0768	-128.9267	0.00		REDB-CAN_NDC
1997232	1997/08/20	06:00:00.0	60.0667	-128.9500	0.00		REDB-CAN_NDC
1997243	1997/08/31	07:08:38.8	49.8837	78.8148	0.30		DTRA/DoD
1997271	1997/09/28	07:30:15.1	49.8794	78.8493	0.55		DTRA/DoD
1997283	1997/10/10	09:00:04.0	64.7170	30.7030	0.00		REDB-RUS_NDC
1997285	1997/10/12	03:37:27.8	67.6760	33.7300	0.00		REDB-RUS_NDC
1998012	1998/01/12	04:56:00.0	38.0047	-81.2918	0.00		NRC
1998190	1998/07/09	16:00:00.0	33.6769	-106.5229	0.00		DTRA/DoD
1998195	1998/07/14	16:00:00.0	33.6769	-106.5229	0.00		DTRA/DoD
1998197	1998/07/16	15:35:00.0	33.6769	-106.5229	0.00		DTRA/DoD
1998197	1998/07/17	15:30:00.0	33.6769	-106.5229	0.00		DTRA/DoD
1998234	1998/08/22	05:00:18.9	49.7667	77.9908	0.00		REDB-DTRA/DoD
1998260	1998/09/17	07:19:40.6	49.9810	78.7559	0.03		DTRA/DoD
1998266	1998/09/23	16:45:00.0	33.6785	-106.5230	0.00		DTRA/DoD
1998277	1998/10/04	18:41:48.0	19.4619	165.8491	0.02		HYDRO:NAVY/VP47

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jdate	date	time	latitude	longitude	depth	mb	source
1998277	1998/10/04	18:46:58.0	19.3830	165.7951	0.02		HYDRO:NAVY/VP47
1998277	1998/10/04	18:49:24.0	19.4619	165.8491	0.02		HYDRO:NAVY/VP47
1998277	1998/10/04	18:52:00.0	19.3830	165.7951	0.02		HYDRO:NAVY/VP47
1998277	1998/10/04	19:29:41.0	17.9830	167.4929	0.02		HYDRO:NAVY/VP47
1998277	1998/10/04	19:32:31.0	17.8990	167.4373	0.02		HYDRO:NAVY/VP47
1998277	1998/10/04	19:35:34.0	17.9830	167.4929	0.02		HYDRO:NAVY/VP47
1998277	1998/10/04	19:37:30.0	17.8990	167.4373	0.02		HYDRO:NAVY/VP47
1998277	1998/10/04	19:39:30.0	17.9004	167.5358	0.02		HYDRO:NAVY/VP47
1998277	1998/10/04	19:43:54.0	17.9004	167.5358	0.02		HYDRO:NAVY/VP47
1998293	1998/10/20	22:34:41.0	33.6197	-106.4799	0.00		DTRA/DoD
1998321	1998/11/17	19:00:00.0	33.6201	-106.4799	0.00		DTRA/DoD
1999056	1999/02/25	18:00:00.0	33.6790	-106.5230	0.00		DTRA/DoD
1999118	1999/04/28	17:15:00.1	33.6805	-106.5228	0.00		DTRA/DoD
1999268	1999/09/25	05:00:06.0	49.7819	77.9663	0.00		REDB-KAZ_NDC
1999299	1999/10/26	17:00:00.0	33.6289	-106.4745	0.00		DTRA/DoD
1999306	1999/11/02	20:18:00.0	34.9591	-106.5479	0.00		DTRA/DoD
1999312	1999/11/08	13:00:00.3	31.5330	35.4406	0.07		REDB-ISR_NDC
1999314	1999/11/10	13:59:58.2	31.5338	35.4400	0.07		REDB-ISR_NDC
1999315	1999/11/11	15:00:00.8	31.5336	35.4413	0.07		REDB-ISR_NDC
1999342	1999/12/08	19:29:58.1	37.0123	-116.1964	0.00		DTRA/DoD
1999343	1999/12/09	19:00:00.0	33.6805	-106.5228	0.00		DTRA/DoD
2000211	2000/07/29	06:00:00.0	49.7842	77.9672	0.00		KAZ_NDC

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1955264	1955/09/21	00:00:00.0	70.7000	54.5600	0.01		EX:KHRISTOFOROV
1957250	1957/09/07	08:00:01.0	70.6900	54.8000	0.00		EX:KHRISTOFOROV
1957283	1957/10/10	00:00:00.0	70.7000	54.5600	0.03		EX:KHRISTOFOROV
1961256	1961/09/13	00:00:00.0	70.8700	53.3300	0.00		EX:KHRISTOFOROV
1961296	1961/10/23	10:30:48.0	70.7000	54.5600	0.05		EX:KHRISTOFOROV
1961300	1961/10/27	08:30:26.0	70.7000	54.6700	0.00		EX:KHRISTOFOROV
1962234	1962/08/22	09:00:00.0	71.0000	53.5000	0.00		EX:KHRISTOFOROV
1965089	1965/03/30	08:00:00.0	52.9000	56.5000	1.38		EX:SULTANOV
1965161	1965/06/10	07:00:00.0	52.9000	56.5000	1.35		EX:SULTANOV
1965287	1965/10/14	04:00:00.2	49.9910	77.6360	0.05		EX:SULTANOV
1966112	1966/04/22	02:58:00.3	47.8290	47.9350	0.16	4.70	EX:SULTANOV
1966273	1966/09/30	05:59:51.0	38.9680	64.5170	1.53	5.10	EX:SULTANOV
1966300	1966/10/27	00:00:00.0	73.3870	54.8360	0.00		EX:RICHARDS
1967279	1967/10/06	06:59:57.5	57.7000	65.2000	0.17	4.70	EX:SULTANOV
1968142	1968/05/21	03:59:12.0	38.9180	65.0320	2.44	5.40	EX:SULTANOV
1968183	1968/07/01	04:02:00.5	47.9090	47.9120	0.60	5.50	EX:SULTANOV
1968295	1968/10/21	03:52:00.0	49.7280	78.4860	0.03		EX:SULTANOV
1968312	1968/11/07	00:00:00.0	73.3870	54.8580	0.00		EX:RICHARDS
1968317	1968/11/12	07:30:00.0	49.7120	78.4610	0.03		EX:SULTANOV
1969245	1969/09/02	04:59:58.6	57.2200	55.3930	1.21	4.80	EX:SULTANOV
1969251	1969/09/08	04:59:58.7	57.2200	55.4170	1.21	4.80	EX:SULTANOV
1969269	1969/09/26	06:59:58.1	45.8480	42.6000	0.71	5.60	EX:SULTANOV
1969287	1969/10/14	00:00:00.0	73.3900	54.7870	0.00		EX:RICHARDS
1969340	1969/12/06	07:02:59.9	43.8670	54.8000	0.41	5.80	EX:SULTANOV
1970176	1970/06/25	04:59:55.5	52.2000	55.7000	0.70	4.90	EX:SULTANOV
1970287	1970/10/14	00:00:00.0	73.3040	55.0270	0.00		EX:RICHARDS
1970346	1970/12/12	07:00:59.8	43.8500	54.8000	0.50	6.00	EX:SULTANOV
1970357	1970/12/23	07:00:59.8	44.0250	54.9330	0.47	6.00	EX:SULTANOV
1971082	1971/03/23	06:59:58.4	61.4000	56.2000	0.13	5.50	EX:SULTANOV
1971183	1971/07/02	17:00:01.1	67.2830	63.4670	0.54	4.70	EX:SULTANOV
1971191	1971/07/10	17:00:01.4	64.1670	55.2670	0.47	5.20	EX:SULTANOV
1971262	1971/09/19	11:00:01.1	57.5080	42.6430	0.61	4.50	EX:SULTANOV
1971270	1971/09/27	00:00:00.0	73.3930	54.9200	0.00		EX:RICHARDS
1971277	1971/10/04	10:00:00.1	61.3580	48.0920	0.60	4.60	EX:SULTANOV
1971295	1971/10/22	05:00:01.0	51.6000	54.4500	1.14	5.20	EX:SULTANOV
1971356	1971/12/22	06:59:59.0	47.8970	48.1330	0.99	6.00	EX:SULTANOV
1972102	1972/04/11	06:00:01.9	37.3500	62.0500	1.72	4.90	EX:SULTANOV
1972191	1972/07/09	07:00:01.3	49.8000	35.4000	2.48	4.80	EX:SULTANOV
1972233	1972/08/20	03:00:00.0	49.4000	48.1420	0.49	5.70	EX:SULTANOV
1972241	1972/08/28	00:00:00.0	73.3880	54.8470	0.00		EX:RICHARDS
1972248	1972/09/04	07:00:00.0	67.7500	33.1000	0.13	4.60	EX:SULTANOV
1972265	1972/09/21	09:00:00.3	52.1180	52.0680	0.49	5.00	EX:SULTANOV

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1972277	1972/10/03	09:00:00.2	46.8530	44.9380	0.49	5.60	EX:SULTANOV
1972329	1972/11/24	09:00:00.0	51.9900	51.8670	0.68	4.50	EX:SULTANOV
1972329	1972/11/24	10:00:00.2	51.8420	64.2100	0.42	5.20	EX:SULTANOV
1973227	1973/08/15	02:00:00.0	42.7750	67.4080	0.60	5.30	EX:SULTANOV
1973240	1973/08/28	03:00:00.0	50.5270	68.3230	0.40	5.20	EX:SULTANOV
1973255	1973/09/12	00:00:00.0	73.3140	55.0560	0.00		EX:RICHARDS
1973262	1973/09/19	03:00:00.2	45.7580	67.8250	0.62	5.10	EX:SULTANOV
1973273	1973/09/30	05:00:00.4	51.6500	54.5500	1.15	5.20	EX:SULTANOV
1973299	1973/10/26	05:59:59.5	53.6500	55.4000	2.03	4.80	EX:SULTANOV
1974189	1974/07/08	06:00:00.0	53.7000	55.1000	2.12	4.60	EX:SULTANOV
1974226	1974/08/14	15:00:00.2	68.9030	75.8230	0.53	5.40	EX:SULTANOV
1974241	1974/08/29	00:00:00.0	73.3970	54.9050	0.00		EX:RICHARDS
1974241	1974/08/29	15:00:00.4	67.0850	62.6250	0.58	5.00	EX:SULTANOV
1974275	1974/10/02	01:00:01.1	66.1000	112.6500	0.10	4.60	EX:SULTANOV
1974341	1974/12/07	05:59:59.0	49.9000	77.6500	0.08	4.70	EX:SULTANOV
1975115	1975/04/25	05:00:00.0	47.9090	47.9120	0.60	4.70	EX:SULTANOV
1975224	1975/08/12	15:00:00.6	70.7630	126.9530	0.50	5.10	EX:SULTANOV
1975235	1975/08/23	00:00:00.0	73.3340	54.6820	0.00		EX:RICHARDS
1975272	1975/09/29	11:00:00.4	69.5780	90.3370	0.83	4.80	EX:SULTANOV
1975294	1975/10/21	00:00:00.0	73.3070	55.0100	0.00		EX:RICHARDS
1976089	1976/03/29	07:00:00.2	47.8970	48.1330	0.99	4.30	EX:SULTANOV
1976211	1976/07/29	05:00:00.5	47.8700	48.1500	1.00	5.90	EX:SULTANOV
1976273	1976/09/29	00:00:00.0	73.3600	54.8710	0.00		EX:RICHARDS
1976310	1976/11/05	04:00:00.0	61.4580	112.8600	1.52	5.30	EX:SULTANOV
1977207	1977/07/26	17:00:00.2	69.5750	90.3750	0.85	5.00	EX:SULTANOV
1977222	1977/08/10	22:00:00.1	50.9550	110.9830	0.49	5.00	EX:SULTANOV
1977232	1977/08/20	22:00:00.8	64.1080	99.5580	0.60	5.00	EX:SULTANOV
1977253	1977/09/10	16:00:00.2	57.2510	106.5510	0.55	4.80	EX:SULTANOV
1977273	1977/09/30	06:59:58.4	47.8970	48.1610	1.50	5.00	EX:SULTANOV
1977282	1977/10/09	00:00:00.0	73.4090	54.9270	0.00		EX:RICHARDS
1977287	1977/10/14	06:59:59.1	47.9090	47.9120	0.60		EX:SULTANOV
1977303	1977/10/30	06:59:59.1	47.9090	47.9120	0.60		EX:SULTANOV
1978221	1978/08/09	18:00:00.8	63.6780	125.5220	0.57	5.60	EX:SULTANOV
1978222	1978/08/10	00:00:00.0	73.2910	54.8830	0.00		EX:RICHARDS
1978236	1978/08/24	18:00:00.4	65.9250	112.3380	0.58	5.10	EX:SULTANOV
1978255	1978/09/12	04:59:58.5	47.9090	47.9120	0.60		EX:SULTANOV
1978264	1978/09/21	15:00:00.2	66.5980	86.2100	0.89	5.20	EX:SULTANOV
1978270	1978/09/27	00:00:00.0	73.3490	54.6760	0.00		EX:RICHARDS
1978281	1978/10/08	00:00:00.0	61.5500	112.8500	1.55	5.20	EX:SULTANOV
1978290	1978/10/17	04:59:59.1	47.8500	48.1200	1.04	5.80	EX:SULTANOV
1978290	1978/10/17	14:00:00.2	63.1850	63.4320	0.59	5.50	EX:SULTANOV
1978334	1978/11/30	07:59:59.1	47.9090	47.9120	0.60		EX:SULTANOV
1978352	1978/12/18	07:59:58.5	47.8600	48.1600	0.63	5.90	EX:SULTANOV

**GT1**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1979010	1979/01/10	08:00:00.0	47.9090	47.9120	0.60		EX:SULTANOV
1979017	1979/01/17	07:59:58.5	47.9200	48.1200	1.00	6.00	EX:SULTANOV
1979195	1979/07/14	04:59:58.0	47.8800	48.1200	0.98	5.60	EX:SULTANOV
1979224	1979/08/12	18:00:00.2	61.8030	122.4300	0.98	4.90	EX:SULTANOV
1979249	1979/09/06	18:00:00.3	64.1100	99.5620	0.60	4.90	EX:SULTANOV
1979259	1979/09/16	09:00:00.0	48.2000	38.3000	0.90		EX:SULTANOV
1979267	1979/09/24	00:00:00.0	73.3430	54.6720	0.00		EX:RICHARDS
1979277	1979/10/04	16:00:00.0	60.6750	71.4550	0.84	5.40	EX:SULTANOV
1979280	1979/10/07	21:00:00.2	61.8500	113.1000	1.55	5.00	EX:SULTANOV
1979291	1979/10/18	00:00:00.0	73.3160	54.8160	0.00		EX:RICHARDS
1979297	1979/10/24	05:59:59.0	47.8500	48.1400	0.85	5.80	EX:SULTANOV
1980168	1980/06/16	06:00:00.0	52.9000	56.5000	1.40		EX:SULTANOV
1980177	1980/06/25	06:00:00.0	52.9000	56.5000	1.39		EX:SULTANOV
1980282	1980/10/08	06:00:00.3	46.7570	48.2750	1.05	5.20	EX:SULTANOV
1980285	1980/10/11	00:00:00.0	73.3360	54.9400	0.00		EX:RICHARDS
1980306	1980/11/01	13:00:00.4	60.8000	97.5500	0.72	5.20	EX:SULTANOV
1980345	1980/12/10	07:00:00.1	61.7500	66.7500	2.49	4.60	EX:SULTANOV
1981145	1981/05/25	05:00:00.3	68.2000	53.5000	1.51	5.50	EX:SULTANOV
1981245	1981/09/02	04:00:00.0	60.6000	55.7000	2.09	4.40	EX:SULTANOV
1981269	1981/09/26	05:00:00.3	46.7900	48.3130	1.05	5.20	EX:SULTANOV
1981269	1981/09/26	05:03:59.9	46.7710	48.3040	1.05	5.30	EX:SULTANOV
1981274	1981/10/01	00:00:00.0	73.3040	54.8180	0.00		EX:RICHARDS
1981295	1981/10/22	14:00:00.4	63.8000	97.5500	0.58	5.10	EX:SULTANOV
1982211	1982/07/30	21:00:00.0	53.8000	104.1500	0.55	5.00	EX:SULTANOV
1982247	1982/09/04	18:00:00.1	69.2000	81.6500	0.96	5.30	EX:SULTANOV
1982268	1982/09/25	18:00:00.2	64.3500	91.8000	0.55	5.20	EX:SULTANOV
1982283	1982/10/10	05:00:00.2	61.5500	112.8500	1.50	5.30	EX:SULTANOV
1982284	1982/10/11	00:00:00.0	73.3390	54.6080	0.00		EX:RICHARDS
1982289	1982/10/16	06:00:00.2	46.7590	48.2470	0.95	5.20	EX:SULTANOV
1982289	1982/10/16	06:05:00.1	46.7520	48.2580	0.99	5.20	EX:SULTANOV
1982289	1982/10/16	06:10:00.1	46.7660	48.2880	1.10	5.20	EX:SULTANOV
1982289	1982/10/16	06:15:00.2	46.7600	48.3000	1.06	5.40	EX:SULTANOV
1983191	1983/07/10	04:00:00.0	51.3630	53.3060	0.91	5.30	EX:SULTANOV
1983191	1983/07/10	04:04:59.9	51.3670	53.3270	0.92	5.30	EX:SULTANOV
1983191	1983/07/10	04:09:59.9	51.3800	53.3400	0.84	5.30	EX:SULTANOV
1983230	1983/08/18	00:00:00.0	73.3540	54.9740	0.00		EX:RICHARDS
1983267	1983/09/24	05:00:00.0	46.7830	48.3150	1.05	5.20	EX:SULTANOV
1983267	1983/09/24	05:05:00.0	46.7880	48.2970	1.05	5.10	EX:SULTANOV
1983267	1983/09/24	05:10:00.1	46.7670	48.3100	0.92	5.00	EX:SULTANOV
1983267	1983/09/24	05:15:00.1	46.7490	48.3030	1.10	5.20	EX:SULTANOV
1983267	1983/09/24	05:19:59.9	46.7540	48.2890	0.95	5.40	EX:SULTANOV
1983267	1983/09/24	05:25:00.0	46.7660	48.2740	1.10	5.30	EX:SULTANOV
1983268	1983/09/25	00:00:00.0	73.3280	54.5410	0.00		EX:RICHARDS

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1984203	1984/07/21	02:59:59.8	51.3580	53.3190	0.85	5.40	EX:SULTANOV
1984203	1984/07/21	03:04:59.7	51.3710	53.3370	0.96	5.30	EX:SULTANOV
1984203	1984/07/21	03:09:59.9	51.3910	53.3510	0.84	5.40	EX:SULTANOV
1984224	1984/08/11	19:00:00.2	65.0500	55.1000	0.76	5.30	EX:SULTANOV
1984238	1984/08/25	19:00:00.3	61.9000	72.1000	0.73	5.30	EX:SULTANOV
1984240	1984/08/27	06:00:00.1	67.7500	33.0000	0.18	4.70	EX:SULTANOV
1984241	1984/08/28	02:59:59.8	60.3000	57.1000	2.07	4.40	EX:SULTANOV
1984241	1984/08/28	03:04:59.9	60.7000	57.5000	2.08	4.40	EX:SULTANOV
1984261	1984/09/17	21:00:00.0	55.8340	87.5260	0.56	5.00	EX:SULTANOV
1984299	1984/10/25	00:00:00.0	73.3550	54.9900	0.00		EX:RICHARDS
1984301	1984/10/27	06:00:00.1	46.9000	48.1500	1.00	5.00	EX:SULTANOV
1984301	1984/10/27	06:05:00.0	46.9500	48.1000	1.00	5.00	EX:SULTANOV
1985169	1985/06/18	04:00:00.1	60.6000	72.7000	2.86		EX:SULTANOV
1985199	1985/07/18	21:15:00.3	65.9940	41.0380	0.77	5.10	EX:SULTANOV
1987109	1987/04/19	04:00:00.0	60.6000	57.2000	2.02	4.50	EX:SULTANOV
1987109	1987/04/19	04:05:00.0	60.8000	57.5000	2.06	4.50	EX:SULTANOV
1987188	1987/07/07	00:00:00.0	61.5000	112.8500	1.50	5.10	EX:SULTANOV
1987205	1987/07/24	02:00:00.0	61.4500	112.8000	1.52	5.10	EX:SULTANOV
1987214	1987/08/02	00:00:00.0	73.3260	54.6020	0.00		EX:RICHARDS
1987224	1987/08/12	01:30:00.5	61.4500	112.8000	0.82	5.00	EX:SULTANOV
1987276	1987/10/03	15:15:00.0	47.6000	56.2000	1.00	5.30	EX:SULTANOV
1988128	1988/05/07	00:00:00.0	73.3140	54.5530	0.00		EX:RICHARDS
1988235	1988/08/22	16:20:00.1	66.2800	78.4910	0.83	5.30	EX:SULTANOV
1988250	1988/09/06	16:19:59.9	61.3610	48.0920	0.82	4.80	EX:SULTANOV
1988339	1988/12/04	00:00:00.0	73.3660	55.0010	0.00		EX:RICHARDS
1995001	1995/01/01	20:37:52.5	44.2300	-105.4400			DOEWG
1995026	1995/01/26	23:43:42.9	43.6400	-105.3200			DOEWG
1995042	1995/02/11	20:18:35.4	43.5600	-105.2300			DOEWG
1995042	1995/02/11	22:12:38.5	44.2700	-105.7400			DOEWG
1995042	1995/02/11	22:23:55.6	43.7900	-105.5400			DOEWG
1995043	1995/02/12	22:31:45.1	43.0700	-104.8700			DOEWG
1995047	1995/02/16	19:43:28.4	44.4800	-105.4100			DOEWG
1995055	1995/02/24	17:38:10.5	44.2600	-105.3300			DOEWG
1995061	1995/03/02	22:42:10.0	44.6100	-105.8400			DOEWG
1995076	1995/03/17	20:37:27.4	43.5600	-105.1300			DOEWG
1995079	1995/03/20	21:32:31.4	43.9700	-106.2100			DOEWG
1995103	1995/04/13	20:05:31.9	43.8600	-105.3300			DOEWG
1995114	1995/04/24	21:19:05.7	44.3000	-105.4400			DOEWG
1995126	1995/05/06	17:04:40.6	44.1700	-105.4200			DOEWG
1995140	1995/05/20	20:50:52.7	44.1000	-105.2800			DOEWG
1995170	1995/06/19	21:38:25.9	44.0900	-105.3500			DOEWG
1995180	1995/06/29	23:51:42.2	44.3800	-105.3200			DOEWG
1995188	1995/07/07	16:42:37.3	43.7000	-104.7400			DOEWG

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1995188	1995/07/07	17:54:16.7	44.5400	-105.9100			DOEWG
1995199	1995/07/18	19:47:42.4	43.5800	-104.9800		3.60	DOEWG
1995206	1995/07/25	17:38:21.3	44.6000	-105.8400			DOEWG
1995345	1995/12/11	22:04:51.5	44.3200	-105.5200			DOEWG
1995351	1995/12/17	20:54:18.2	44.7800	-106.3700			DOEWG
1995362	1995/12/28	23:03:22.1	43.9000	-106.3600			DOEWG
1996010	1996/01/10	21:10:40.3	43.7200	-105.2600			DOEWG
1996012	1996/01/12	19:33:44.1	43.9800	-105.4900			DOEWG
1996014	1996/01/14	23:17:47.5	43.0100	-104.1300			DOEWG
1996016	1996/01/16	19:07:25.7	43.9400	-105.4700			DOEWG
1996020	1996/01/20	21:38:16.0	43.7500	-105.4000			DOEWG
1996026	1996/01/26	23:56:51.7	44.0600	-105.4100			DOEWG
1996033	1996/02/02	21:08:35.6	44.4400	-106.2000			DOEWG
1996044	1996/02/13	21:03:42.7	43.5300	-105.1600			DOEWG
1996044	1996/02/13	23:03:03.6	44.3400	-105.5900			DOEWG
1996046	1996/02/15	00:20:23.2	44.2400	-105.3700			DOEWG
1996055	1996/02/24	00:28:24.8	44.2000	-105.3500			DOEWG
1996058	1996/02/27	00:01:06.8	44.1900	-105.3100			DOEWG
1996061	1996/03/01	19:03:11.6	44.5300	-105.7200			DOEWG
1996071	1996/03/11	20:13:36.9	43.6100	-105.2200			DOEWG
1996071	1996/03/11	23:01:06.5	44.6400	-105.6200			DOEWG
1996078	1996/03/18	23:40:39.5	44.0700	-105.3400			DOEWG
1996090	1996/03/30	00:10:24.9	43.5300	-105.3700			DOEWG
1996093	1996/04/02	23:05:52.7	44.2300	-105.3500		3.50	DOEWG
1996096	1996/04/05	20:13:59.0	43.7700	-105.3400			DOEWG
1996100	1996/04/09	22:57:57.8	43.7200	-105.3400			DOEWG
1996103	1996/04/12	23:49:07.9	44.2800	-105.1500			DOEWG
1996104	1996/04/13	23:06:54.8	43.4100	-104.9200			DOEWG
1996115	1996/04/24	22:01:44.6	44.0500	-105.4000			DOEWG
1996120	1996/04/29	22:53:32.0	43.4700	-105.3200			DOEWG
1996129	1996/05/08	00:02:09.7	43.7000	-105.2000		3.90	DOEWG
1996134	1996/05/13	22:14:58.8	43.5000	-105.1300			DOEWG
1996136	1996/05/15	22:03:18.8	44.6200	-105.9700			DOEWG
1996136	1996/05/15	23:54:02.8	44.2000	-105.3500			DOEWG
1996168	1996/06/16	19:05:19.7	44.4100	-105.3300			DOEWG
1996204	1996/07/22	20:40:33.9	44.2000	-105.6800			DOEWG
1996214	1996/08/01	19:33:06.8	43.7200	-105.2500		4.00	DOEWG
1998131	1998/05/11	00:00:00.0	27.0780	71.7190	0.00		EX:BARKER
1998148	1998/05/28	00:00:00.0	28.8300	64.9500	0.00		EX:BARKER
1999142	1999/05/22	13:12:09.1	67.5660	30.4300	0.00	0.00	NORSAR
1999146	1999/05/26	07:31:03.2	67.6650	34.1460	0.00	0.00	NORSAR
1999243	1999/08/31	15:23:15.3	67.6240	33.8960	0.00	0.00	NORSAR

**GT2**

jdate	date	time	latitude	longitude	depth	mb	source
1951027	1951/01/27	13:44:51.0	36.8000	-115.9500	-0.32		EX:G+P
1951028	1951/01/28	13:52:04.5	36.8000	-115.9500	-0.33		EX:G+P
1951032	1951/02/01	13:46:39.5	36.8000	-115.9500	-0.33		EX:G+P
1951033	1951/02/02	13:48:48.0	36.8000	-115.9500	-0.34		EX:G+P
1951037	1951/02/06	13:46:55.0	36.8000	-115.9500	-0.44		EX:G+P
1955134	1955/05/14	20:00:00.0	28.7333	-126.2667	0.61		EX:G+P
1957205	1957/07/24	11:49:59.9	37.0833	-116.1000	-0.15		EX:G+P
1964299	1964/10/25	00:00:00.0	73.3870	54.9850	0.00		EX:RICHARDS
1967294	1967/10/21	00:00:00.0	73.3900	54.8100	0.00		EX:RICHARDS
1976294	1976/10/20	00:00:00.0	73.3980	54.8120	0.00		EX:RICHARDS
1977244	1977/09/01	00:00:00.0	73.3390	54.6190	0.00		EX:RICHARDS
1983279	1983/10/06	10:00:00.0	41.5400	88.7200	0.00	5.47	EX:AWE-JED
1984277	1984/10/03	06:00:00.0	41.5700	88.7300	0.00	5.20	EX:AWE-JED
1987206	1987/07/25	16:13:39.0	67.6600	33.9000	0.00		GRANT
1988280	1988/10/06	09:47:41.0	67.6100	34.1900	0.00		GRANT
1989106	1989/04/16	06:34:42.0	67.6100	33.8100	0.00		GRANT
1990173	1990/06/22	01:51:15.0	67.6100	33.8100	0.00		GRANT
1990179	1990/06/28	01:59:19.0	67.7400	33.2200	0.00		GRANT
1990180	1990/06/29	04:12:11.0	67.6900	33.7500	0.00		GRANT
1990181	1990/06/30	06:42:24.0	67.6400	34.1000	0.00		GRANT
1990328	1990/11/24	20:18:25.3	51.6110	7.6370	0.00		GRANT
1990348	1990/12/14	23:29:55.7	51.6070	7.6370	0.00		GRANT
1991024	1991/01/24	08:23:31.0	50.2620	18.9140	0.00		GRANT
1991069	1991/03/10	19:55:05.0	50.3680	18.9100	0.00		GRANT
1991070	1991/03/11	12:03:24.0	50.2070	12.6850	0.00		GRANT
1991071	1991/03/12	00:00:12.3	51.4740	16.0910	0.84		GRANT
1991080	1991/03/21	12:04:14.7	50.2070	12.6850	0.00		GRANT
1991081	1991/03/22	12:33:25.3	50.2070	12.6850	0.00		GRANT
1991082	1991/03/23	12:00:55.8	50.2070	12.6850	0.00		GRANT
1991083	1991/03/24	05:05:04.4	50.2960	12.2250	12.90		GRANT
1991083	1991/03/24	05:35:21.0	50.2790	12.2280	12.90		GRANT
1991083	1991/03/24	06:57:59.3	50.2770	12.2400	13.90		GRANT
1991083	1991/03/24	09:38:33.4	50.2780	12.2200	12.40		GRANT
1991083	1991/03/24	14:33:28.0	50.2940	12.2230	12.70		GRANT
1991083	1991/03/24	15:00:44.5	50.2930	12.2240	12.50		GRANT
1991083	1991/03/24	15:41:03.5	50.2930	12.2240	9.00		GRANT
1991084	1991/03/25	14:54:13.5	50.2980	12.2220	12.90		GRANT
1991084	1991/03/25	18:44:19.1	50.3640	18.8720	0.00		GRANT
1991084	1991/03/25	22:31:45.8	50.2920	12.2130	12.40		GRANT
1991088	1991/03/29	03:40:25.1	51.5210	16.0330	0.97		GRANT
1991088	1991/03/29	13:04:53.0	51.4400	16.1100	0.73		GRANT
1991091	1991/04/01	19:44:05.1	50.2590	19.0290	0.00		GRANT

**GT2**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1991097	1991/04/07	08:35:13.1	51.5210	16.0330	0.98		GRANT
1991101	1991/04/11	00:41:18.3	50.2620	18.9140	0.00		GRANT
1991106	1991/04/16	00:03:16.6	50.2460	19.0640	0.00		GRANT
1991108	1991/04/18	04:37:39.9	51.4770	16.0960	1.05		GRANT
1991115	1991/04/25	00:19:03.2	50.3630	18.8710	0.00		GRANT
1991120	1991/04/30	03:40:36.9	51.5360	16.0670	1.07		GRANT
1991122	1991/05/02	10:15:18.0	47.9290	16.2090	10.00		GRANT
1991122	1991/05/02	11:06:10.2	50.2070	12.7130	0.00		GRANT
1991122	1991/05/02	12:47:33.1	50.1840	12.1860	0.00		GRANT
1991122	1991/05/02	23:19:47.0	47.9300	16.3520	10.00		GRANT
1991127	1991/05/07	03:02:45.1	51.4600	16.0670	0.72		GRANT
1991127	1991/05/07	20:24:08.5	50.2430	18.8950	0.00		GRANT
1991128	1991/05/08	11:14:37.5	50.2070	12.7130	0.00		GRANT
1991129	1991/05/09	14:19:28.5	50.3000	19.1820	0.00		GRANT
1991129	1991/05/09	17:20:32.3	50.3590	18.8750	0.00		GRANT
1991130	1991/05/10	20:02:51.1	50.7900	12.0700			GRANT
1991130	1991/05/10	20:45:10.9	50.2620	18.9050	0.00		GRANT
1991130	1991/05/10	23:46:58.5	50.0640	19.0930	0.00		GRANT
1991134	1991/05/14	00:53:47.9	50.2510	18.9770	0.00		GRANT
1991134	1991/05/14	01:18:20.7	50.2440	18.9930	0.00		GRANT
1991136	1991/05/16	02:06:17.0	52.2810	7.7610	1.50		GRANT
1991136	1991/05/16	10:44:55.0	49.1200	6.9000			GRANT
1991137	1991/05/17	19:14:41.0	50.2490	18.9080	0.00		GRANT
1991138	1991/05/18	11:15:40.7	51.4700	16.0900	0.85		GRANT
1991139	1991/05/19	03:22:10.0	50.3600	12.3710	0.00		GRANT
1991140	1991/05/20	17:25:53.4	50.3650	18.8650	0.00		GRANT
1991140	1991/05/20	19:07:08.4	50.0650	19.0910	0.00		GRANT
1991141	1991/05/21	16:49:11.6	50.2620	18.9130	0.00		GRANT
1991141	1991/05/21	23:15:54.3	51.5210	16.0320	0.97		GRANT
1991143	1991/05/23	11:01:05.3	50.2070	12.7130	0.00		GRANT
1991143	1991/05/23	19:42:53.3	51.5220	16.0970	1.15		GRANT
1991145	1991/05/25	11:01:28.7	50.2070	12.7130	0.00		GRANT
1991146	1991/05/26	11:00:32.4	50.2070	12.7130	0.00		GRANT
1991147	1991/05/27	23:01:56.2	50.0520	19.1140	0.00		GRANT
1991148	1991/05/28	03:52:48.3	51.4800	16.0800	1.10		GRANT
1991148	1991/05/28	11:03:51.4	50.2070	12.6850	0.00		GRANT
1991150	1991/05/30	21:18:23.0	51.4830	16.0350	0.86		GRANT
1991155	1991/06/04	02:17:36.9	50.2550	18.8970	0.00		GRANT
1991155	1991/06/04	19:04:28.7	50.2630	18.9320	0.00		GRANT
1991155	1991/06/04	22:46:31.7	50.3600	18.9100	0.00		GRANT
1991156	1991/06/05	18:28:59.4	50.2440	18.9920	0.00		GRANT
1991157	1991/06/06	00:33:51.1	50.0950	19.1240	0.00		GRANT
1991157	1991/06/06	12:17:14.3	50.2620	18.9140	0.00		GRANT

**GT2**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1991165	1991/06/14	02:34:54.5	50.3570	18.8700	0.00		GRANT
1991166	1991/06/15	12:51:27.8	51.4970	16.0550	0.94		GRANT
1991167	1991/06/16	05:39:51.5	67.6702	33.7285	0.00		GRANT
1991167	1991/06/16	06:35:15.3	67.6650	33.7440	0.00		GRANT
1991169	1991/06/18	10:06:53.0	67.6240	33.8960	0.00		GRANT
1991170	1991/06/19	20:41:19.0	50.2630	18.9100	0.00		GRANT
1991171	1991/06/20	11:01:16.8	50.2070	12.6850	0.00		GRANT
1991171	1991/06/20	11:45:35.5	50.2930	12.8030	0.00		GRANT
1991173	1991/06/22	01:56:33.1	50.3490	18.9320	0.00		GRANT
1991173	1991/06/22	10:58:34.8	50.2070	12.6850	0.00		GRANT
1991173	1991/06/22	13:57:10.8	50.2000	19.0900	0.00		GRANT
1991174	1991/06/23	04:14:01.5	67.6702	33.7285	0.00		GRANT
1991174	1991/06/23	05:43:58.3	67.6650	33.7440	0.00		GRANT
1991176	1991/06/25	21:50:39.8	50.2620	18.9130	0.00		GRANT
1991178	1991/06/27	11:04:39.6	50.2070	12.6850	0.00		GRANT
1991179	1991/06/28	02:32:56.7	51.4440	16.1140	0.73		GRANT
1991179	1991/06/28	11:15:57.9	67.6240	33.8960	0.00		GRANT
1991181	1991/06/30	08:24:21.5	50.2700	18.9000	0.00		GRANT
1991183	1991/07/02	10:01:36.9	67.6240	33.8960	0.00		GRANT
1991186	1991/07/05	12:33:15.0	67.6240	33.8960	0.00		GRANT
1991187	1991/07/06	19:23:59.4	67.6310	33.8350	0.00		GRANT
1991190	1991/07/09	10:57:16.5	67.6320	34.0110	0.00	3.83	GRANT
1991191	1991/07/10	11:33:22.0	51.4500	16.1100	0.85		GRANT
1991191	1991/07/10	23:57:20.3	51.5060	16.0890	1.07		GRANT
1991193	1991/07/12	10:21:16.9	67.6320	34.0110	0.00		GRANT
1991193	1991/07/12	13:20:01.5	67.6240	33.8960	0.00		GRANT
1991202	1991/07/21	22:50:41.6	51.4830	16.0360	0.85		GRANT
1991204	1991/07/23	10:32:21.6	67.6240	33.8960	0.00		GRANT
1991204	1991/07/23	20:16:56.6	51.6770	7.7090	0.00		GRANT
1991205	1991/07/24	03:17:46.2	51.5210	16.0300	0.97		GRANT
1991206	1991/07/25	00:17:34.5	51.6070	7.1990	0.00		GRANT
1991207	1991/07/26	08:27:45.0	67.6320	34.0110	0.00		GRANT
1991209	1991/07/28	23:32:43.4	51.4830	16.0350	0.85		GRANT
1991211	1991/07/30	15:59:45.9	67.6240	33.8960	0.00		GRANT
1991216	1991/08/04	12:49:51.9	67.6702	33.7285	0.00		GRANT
1991221	1991/08/09	07:20:53.9	67.6320	34.0110	0.00		GRANT
1991222	1991/08/10	18:00:04.1	67.6310	33.8350	0.00		GRANT
1991224	1991/08/12	04:59:39.0	45.4670	21.1530	10.00		GRANT
1991225	1991/08/13	15:25:51.4	67.6240	33.8960	0.00		GRANT
1991227	1991/08/15	08:35:45.0	67.6300	33.9800	0.00		GRANT
1991235	1991/08/23	12:11:23.6	51.4950	16.0080	0.83		GRANT
1991258	1991/09/15	04:07:45.2	67.6702	33.7285	0.00		GRANT
1991259	1991/09/16	12:19:23.0	67.6470	33.7610	0.00		GRANT

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1991271	1991/09/28	00:37:51.0	51.4640	16.0580	0.79		GRANT
1991272	1991/09/29	06:37:27.0	67.6650	33.7440	0.00		GRANT
1991291	1991/10/18	09:01:27.0	67.6320	34.0110	0.00		GRANT
1991291	1991/10/18	15:02:28.6	67.6240	33.8960	0.00		GRANT
1991293	1991/10/20	04:37:07.4	67.6702	33.7285	0.00		GRANT
1991293	1991/10/20	07:10:13.6	67.6650	33.7440	0.00		GRANT
1991295	1991/10/22	19:19:24.7	51.5230	16.0970	1.15		GRANT
1991299	1991/10/26	13:03:15.4	67.6310	33.8350	0.00		GRANT
1991300	1991/10/27	01:32:32.0	67.6650	33.7440	0.00		GRANT
1991305	1991/11/01	05:49:01.4	51.4640	16.0580	0.79		GRANT
1991305	1991/11/01	14:47:38.9	67.6240	33.8960	0.00		GRANT
1991307	1991/11/03	07:52:21.0	67.6650	33.7440	0.00		GRANT
1991316	1991/11/12	20:57:08.4	51.5000	16.0900	1.07		GRANT
1991320	1991/11/16	22:22:37.1	51.4960	16.0550	0.94		GRANT
1991324	1991/11/20	01:54:17.4	46.7210	9.5280	7.00		GRANT
1991324	1991/11/20	02:27:23.7	46.7260	9.5240	6.00		GRANT
1991324	1991/11/20	04:44:11.2	46.7190	9.5350	10.00		GRANT
1991324	1991/11/20	15:41:04.0	51.5230	16.0310	0.97		GRANT
1991325	1991/11/21	02:16:32.0	45.4910	21.1760	27.00		GRANT
1991325	1991/11/21	21:45:00.1	46.7220	9.5200	2.00		GRANT
1991326	1991/11/22	06:15:07.9	46.7290	9.5150	7.00		GRANT
1991326	1991/11/22	21:45:55.3	46.7240	9.5290	7.00		GRANT
1991327	1991/11/23	00:03:29.2	46.2800	7.3280	1.00		GRANT
1991328	1991/11/24	16:43:54.4	46.7280	9.5310	7.00		GRANT
1991331	1991/11/27	00:53:11.5	51.5680	6.8710			GRANT
1991333	1991/11/29	17:47:01.4	51.5220	16.0310	0.97		GRANT
1991333	1991/11/29	19:08:07.3	46.7140	9.5550	10.00		GRANT
1991335	1991/12/01	03:32:35.4	51.4800	16.0300	0.85		GRANT
1991340	1991/12/06	21:31:49.1	51.6110	7.6220	0.00		GRANT
1991348	1991/12/14	12:10:46.7	51.6080	7.6110	0.00		GRANT
1991350	1991/12/16	18:07:52.9	51.4940	16.0080	0.83		GRANT
1991351	1991/12/17	23:24:48.7	51.5220	16.0970	1.15		GRANT
1991354	1991/12/20	06:32:56.6	51.4830	16.0370	0.85		GRANT
1991360	1991/12/26	07:51:56.5	47.5370	8.5620	9.00		GRANT
1991363	1991/12/29	15:14:25.0	67.7000	33.9600	0.00		GRANT
1991363	1991/12/29	15:20:44.0	67.5700	34.0300	0.00		GRANT
1992001	1992/01/01	08:03:58.1	67.7460	14.8370	12.10		GRANT
1992001	1992/01/01	08:17:57.8	67.1334	15.8556	0.00		GRANT
1992001	1992/01/01	08:39:01.8	67.7210	14.8470	12.10		GRANT
1992001	1992/01/01	08:57:03.7	67.2118	15.9492	0.00		GRANT
1992001	1992/01/01	10:15:11.6	67.7230	14.8820	12.30		GRANT
1992001	1992/01/01	14:46:06.9	67.0368	16.0349	0.00		GRANT
1992004	1992/01/04	03:43:43.4	67.7070	14.9330	0.00		GRANT

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1992004	1992/01/04	04:15:04.0	67.7080	14.8980	12.10		GRANT
1992004	1992/01/04	05:33:26.5	67.6810	14.8650	12.10		GRANT
1992004	1992/01/04	06:00:53.1	67.6980	14.8680	12.10		GRANT
1992004	1992/01/04	09:06:31.2	67.7550	14.9180	12.10		GRANT
1992005	1992/01/05	01:20:49.9	67.7290	14.7750	15.50		GRANT
1992005	1992/01/05	02:31:03.9	67.7200	14.7940	12.10		GRANT
1992005	1992/01/05	05:11:56.3	67.7060	14.9900	0.00		GRANT
1992005	1992/01/05	07:56:51.6	66.9401	16.2216	0.00		GRANT
1992006	1992/01/06	08:26:21.8	67.7010	14.9650	0.00		GRANT
1992010	1992/01/10	22:25:42.2	67.7110	14.9820	2.20		GRANT
1992011	1992/01/11	01:17:29.3	67.6990	14.9130	0.00		GRANT
1992011	1992/01/11	01:45:37.2	67.7380	14.8790	12.10		GRANT
1992025	1992/01/25	11:57:34.5	67.6880	14.9310	0.00		GRANT
1992025	1992/01/25	12:16:48.3	67.7140	14.8750	12.10		GRANT
1992025	1992/01/25	12:26:29.4	67.7330	15.1110	0.00		GRANT
1992025	1992/01/25	19:12:52.1	67.7380	14.6090	12.10		GRANT
1992034	1992/02/03	04:15:39.2	67.3577	15.6116	0.00		GRANT
1992034	1992/02/03	23:39:05.9	67.6200	15.3838	0.00		GRANT
1992053	1992/02/22	08:39:50.8	46.6990	9.5650	9.00		GRANT
1992058	1992/02/27	21:04:18.2	46.7510	9.7470	11.00		GRANT
1992070	1992/03/10	03:43:38.2	47.0830	9.5600	13.00		GRANT
1992088	1992/03/28	19:24:16.4	46.7070	9.5190	6.00		GRANT
1992089	1992/03/29	16:24:27.3	46.7130	9.5210	5.00		GRANT
1992103	1992/04/12	08:19:30.0	43.9080	13.0800	10.00		GRANT
1992111	1992/04/20	04:32:13.3	46.7290	9.5230	7.00		GRANT
1992112	1992/04/21	21:13:17.9	46.7030	9.5420	12.00		GRANT
1992116	1992/04/25	13:30:40.7	51.6140	7.6230	0.00		GRANT
1992126	1992/05/05	18:55:21.5	46.7260	9.5480	10.00		GRANT
1992129	1992/05/08	06:44:40.0	47.1560	9.5620	10.00		GRANT
1992129	1992/05/08	07:47:14.6	47.1640	9.4810	1.00		GRANT
1992129	1992/05/08	07:51:25.4	47.1480	9.5170	9.00		GRANT
1992129	1992/05/08	18:29:58.8	47.1670	9.5090	11.00		GRANT
1992130	1992/05/09	03:26:49.4	47.1410	9.5340	5.00		GRANT
1992130	1992/05/09	05:37:57.0	49.9510	7.4310	13.00		GRANT
1992130	1992/05/09	18:54:05.0	47.1620	9.5420	9.00		GRANT
1992131	1992/05/10	12:54:50.7	47.1580	9.5630	10.00		GRANT
1992135	1992/05/14	16:43:29.0	47.1930	9.5210	10.00		GRANT
1992136	1992/05/15	00:43:43.2	47.1580	9.5250	11.00		GRANT
1992156	1992/06/04	02:56:36.2	51.6140	7.6220	0.00		GRANT
1992162	1992/06/10	18:28:59.0	51.6140	7.6220	0.00		GRANT
1992163	1992/06/11	00:20:24.0	45.9330	14.8570	5.00		GRANT
1992168	1992/06/16	14:05:36.5	67.6240	33.8960	0.00		GRANT
1992171	1992/06/19	08:22:12.7	67.6320	34.0110	0.00		GRANT

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1992171	1992/06/19	11:23:37.9	67.6310	33.8350	0.00		GRANT
1992173	1992/06/21	04:02:09.2	67.6650	33.7440	0.00		GRANT
1992176	1992/06/24	02:32:56.0	50.0070	12.2170	12.00		GRANT
1992176	1992/06/24	04:02:24.0	50.0070	12.2070	11.00		GRANT
1992178	1992/06/26	08:31:33.4	67.6320	34.0110	0.00		GRANT
1992180	1992/06/28	05:23:41.9	67.6650	33.7440	0.00		GRANT
1992182	1992/06/30	15:15:00.7	67.6320	34.0110	0.00		GRANT
1992185	1992/07/03	07:53:01.0	47.5311	14.8989			GRANT
1992187	1992/07/05	04:01:39.0	67.6702	33.7285	0.00		GRANT
1992189	1992/07/07	14:20:30.5	67.6320	34.0110	0.00		GRANT
1992192	1992/07/10	10:18:22.5	67.6240	33.8960	0.00		GRANT
1992194	1992/07/12	03:24:48.7	67.6702	33.7285	0.00		GRANT
1992194	1992/07/12	04:10:31.1	67.6650	33.7440	0.00		GRANT
1992201	1992/07/19	04:25:01.7	67.6650	33.7440	0.00		GRANT
1992204	1992/07/22	13:27:17.0	51.5170	14.0760			GRANT
1992208	1992/07/26	03:56:06.6	67.6702	33.7285	0.00		GRANT
1992216	1992/08/03	20:02:01.0	51.6440	7.7570			GRANT
1992218	1992/08/05	15:07:29.0	67.6240	33.8960	0.00		GRANT
1992218	1992/08/05	15:08:30.3	67.6240	33.8960	0.00		GRANT
1992220	1992/08/07	14:08:07.9	67.6240	33.8960	0.00		GRANT
1992235	1992/08/22	10:43:55.4	67.6310	33.8350	0.00		GRANT
1992236	1992/08/23	03:10:43.2	67.6702	33.7285	0.00		GRANT
1992240	1992/08/27	00:49:13.0	49.8990	7.8100			GRANT
1992242	1992/08/29	09:28:16.7	67.6310	33.8350	0.00		GRANT
1992243	1992/08/30	03:11:58.4	67.6702	33.7285	0.00		GRANT
1992262	1992/09/18	07:23:06.6	67.6320	34.0110	0.00		GRANT
1992264	1992/09/20	05:09:31.2	67.6650	33.7440	0.00		GRANT
1992265	1992/09/21	21:41:43.3	51.5740	7.5710	0.00		GRANT
1992296	1992/10/22	00:00:00.0	51.5770	7.5670	0.00		GRANT
1992312	1992/11/07	06:31:46.6	67.6702	33.7285	0.00		GRANT
1992318	1992/11/13	06:41:09.4	67.6650	34.1460	0.00		GRANT
1992332	1992/11/27	07:05:19.8	67.6650	34.1460	0.00		GRANT
1992334	1992/11/29	04:08:48.5	67.6470	33.7610	0.00		GRANT
1992346	1992/12/11	08:56:52.9	67.6320	34.0110	0.00		GRANT
1992353	1992/12/18	07:35:18.9	67.6650	34.1460	0.00		GRANT
1992353	1992/12/18	12:29:26.6	67.6240	33.8960	0.00		GRANT
1992354	1992/12/19	08:38:27.7	67.6320	34.0110	0.00		GRANT
1992355	1992/12/20	07:10:46.3	67.6702	33.7285	0.00		GRANT
1992360	1992/12/25	08:03:31.0	67.6320	34.0110	0.00		GRANT
1992360	1992/12/25	12:37:34.0	67.6240	33.8960	0.00		GRANT
1992361	1992/12/26	09:53:02.4	67.6310	33.8350	0.00		GRANT
1992365	1992/12/30	07:23:16.3	67.6650	34.1460	0.00		GRANT
1992365	1992/12/30	11:39:47.6	67.6240	33.8960	0.00		GRANT

**GT2**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1992366	1992/12/31	04:35:16.4	67.6650	33.7440	0.00		GRANT
1992366	1992/12/31	09:41:45.3	67.6470	33.7610	0.00		GRANT
1993006	1993/01/06	08:18:35.9	67.6320	34.0110	0.00		GRANT
1993006	1993/01/06	11:01:17.7	67.6240	33.8960	0.00		GRANT
1993012	1993/01/12	12:03:56.1	67.6240	33.8960	0.00		GRANT
1993015	1993/01/15	14:08:45.4	67.6320	34.0110	0.00		GRANT
1993016	1993/01/16	09:20:42.1	67.6310	33.8350	0.00		GRANT
1993017	1993/01/17	06:51:10.4	67.6650	33.7440	0.00		GRANT
1993022	1993/01/22	08:20:00.2	67.6650	34.1460	0.00		GRANT
1993022	1993/01/22	12:50:50.9	67.6240	33.8960	0.00		GRANT
1993024	1993/01/24	08:04:43.1	67.6470	33.7610	0.00		GRANT
1993029	1993/01/29	10:07:11.9	67.6320	34.0110	0.00		GRANT
1993030	1993/01/30	10:15:56.1	67.6310	33.8350	0.00		GRANT
1993030	1993/01/30	13:07:10.7	67.6310	33.8350	0.00		GRANT
1993031	1993/01/31	04:14:07.1	67.6702	33.7285	0.00		GRANT
1993036	1993/02/05	08:05:35.6	67.6320	34.0110	0.00		GRANT
1993036	1993/02/05	12:35:02.7	67.6240	33.8960	0.00		GRANT
1993038	1993/02/07	07:13:11.9	67.6650	33.7440	0.00		GRANT
1993043	1993/02/12	08:13:20.9	67.6650	34.1460	0.00		GRANT
1993043	1993/02/12	13:37:20.9	67.6240	33.8960	0.00		GRANT
1993044	1993/02/13	12:05:36.9	67.6650	34.1460	0.00		GRANT
1993045	1993/02/14	07:39:40.5	67.6702	33.7285	0.00		GRANT
1993050	1993/02/19	12:34:46.9	67.6320	34.0110	0.00		GRANT
1993051	1993/02/20	07:28:24.9	67.6310	33.8350	0.00		GRANT
1993052	1993/02/21	07:24:44.5	67.6650	33.7440	0.00		GRANT
1993057	1993/02/26	10:33:25.3	67.6320	34.0110	0.00		GRANT
1993057	1993/02/26	12:31:53.5	67.6240	33.8960	0.00		GRANT
1993058	1993/02/27	12:01:12.0	67.6310	33.8350	0.00		GRANT
1993059	1993/02/28	04:23:56.1	67.6650	33.7440	0.00		GRANT
1993064	1993/03/05	12:32:33.1	67.6240	33.8960	0.00		GRANT
1993065	1993/03/06	08:51:37.3	67.6310	33.8350	0.00		GRANT
1993065	1993/03/06	11:00:31.3	67.6310	33.8350	0.00		GRANT
1993065	1993/03/06	11:29:41.1	67.6470	33.7610	0.00		GRANT
1993066	1993/03/07	04:14:32.3	67.6470	33.7610	0.00		GRANT
1993066	1993/03/07	06:58:49.3	67.6650	33.7440	0.00		GRANT
1993071	1993/03/12	07:33:16.9	67.6650	34.1460	0.00		GRANT
1993073	1993/03/14	11:28:05.3	67.6650	33.7440	0.00		GRANT
1993075	1993/03/16	12:29:44.5	67.6240	33.8960	0.00		GRANT
1993078	1993/03/19	09:45:07.9	67.6320	34.0110	0.00		GRANT
1993080	1993/03/21	11:26:30.6	67.6650	33.7440	0.00		GRANT
1993082	1993/03/23	15:08:27.5	67.6240	33.8960	0.00		GRANT
1993085	1993/03/26	08:59:16.8	67.6320	34.0110	0.00		GRANT
1993086	1993/03/27	10:35:00.5	67.6310	33.8350	0.00		GRANT

**GT2**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1993089	1993/03/30	14:44:05.6	67.6240	33.8960	0.00		GRANT
1994259	1994/09/16	03:18:57.2	32.0461	35.5005	18.00	4.20	ISR_NDC
1995005	1995/01/05	19:17:46.4	51.5400	16.0700	0.00		POL_NDC
1995011	1995/01/11	03:47:54.4	67.8000	20.2000	0.00		ISRAELSSON
1995011	1995/01/11	18:04:32.3	67.0800	20.9400	0.00		ISRAELSSON
1995013	1995/01/13	10:08:25.2	51.4700	16.0500	0.00		POL_NDC
1995014	1995/01/14	13:01:50.1	67.0800	20.9400	0.00		ISRAELSSON
1995015	1995/01/15	13:53:37.0	51.4900	16.0100	0.00		POL_NDC
1995017	1995/01/17	09:40:08.2	51.4400	16.1200	0.00		POL_NDC
1995017	1995/01/17	18:22:35.7	51.5200	16.1200	0.00		POL_NDC
1995018	1995/01/18	00:35:20.6	51.4800	16.0200	0.00		POL_NDC
1995019	1995/01/19	16:28:00.0	67.0800	20.9400	0.00		SWE_NDC
1995020	1995/01/20	11:50:32.0	48.2330	-80.1170			MCLAUGHLIN
1995021	1995/01/21	13:00:54.9	51.5200	16.0500	0.00		POL_NDC
1995024	1995/01/24	16:33:07.1	67.0800	20.9400	0.00		ISRAELSSON
1995024	1995/01/24	17:33:39.9	67.0800	20.9400	0.00		ISRAELSSON
1995025	1995/01/25	17:25:00.0	67.0800	20.9400	0.00		SWE_NDC
1995025	1995/01/25	19:36:00.0	58.8200	15.0900	0.00		SWE_NDC
1995026	1995/01/26	05:36:49.5	51.4700	16.1200	0.00		POL_NDC
1995026	1995/01/26	23:43:42.9	43.6800	-105.2700	0.00		USA_NDC
1995032	1995/02/01	00:21:17.0	48.6920	-81.3670			MCLAUGHLIN
1995032	1995/02/01	19:59:50.5	51.5200	16.1200	0.00		POL_NDC
1995032	1995/02/01	21:16:00.0	48.2330	-80.1170			MCLAUGHLIN
1995033	1995/02/02	17:06:00.0	67.0800	20.9400	0.00		SWE_NDC
1995038	1995/02/07	16:29:58.0	67.0800	20.9400	0.00		ISRAELSSON
1995040	1995/02/09	16:30:00.0	67.0800	20.9400	0.00		ISRAELSSON
1995042	1995/02/11	20:18:35.4	43.6400	-105.2600	0.00		USA_NDC
1995042	1995/02/11	22:12:38.5	43.6400	-105.2600	0.00		USA_NDC
1995042	1995/02/11	22:23:55.6	43.6400	-105.2600	0.00		USA_NDC
1995043	1995/02/12	01:03:30.8	51.4700	16.0500	0.00		POL_NDC
1995046	1995/02/15	16:30:00.0	67.0800	20.9400	0.00		SWE_NDC
1995048	1995/02/17	19:36:00.0	58.8200	15.0900	0.00		SWE_NDC
1995052	1995/02/21	14:10:00.0	61.5000	13.7500	0.00		SWE_NDC
1995052	1995/02/21	15:44:07.0	48.6920	-81.3670			MCLAUGHLIN
1995053	1995/02/22	01:18:12.1	51.4700	16.0500	0.00		POL_NDC
1995053	1995/02/22	16:29:00.0	67.0800	20.9400	0.00		SWE_NDC
1995056	1995/02/25	09:55:45.7	51.4400	16.1200	0.00		POL_NDC
1995056	1995/02/25	12:29:42.7	51.5000	16.0700	0.00		POL_NDC
1995057	1995/02/26	11:39:41.9	51.4400	16.1200	0.00		POL_NDC
1995061	1995/03/02	02:25:27.6	51.5400	16.0300	0.00		POL_NDC
1995063	1995/03/04	10:51:46.5	51.4700	16.0500	0.00		POL_NDC
1995064	1995/03/05	00:31:18.5	67.8000	20.2000	0.00		ISRAELSSON
1995067	1995/03/08	11:11:48.2	51.5400	16.0700	0.00		POL_NDC

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1995067	1995/03/08	16:31:07.1	67.0800	20.9400	0.00		ISRAELSSON
1995069	1995/03/10	10:21:29.7	51.5100	16.0000	0.00		POL_NDC
1995074	1995/03/15	16:29:00.0	67.0800	20.9400	0.00		SWE_NDC
1995075	1995/03/16	16:02:00.4	51.4800	16.1200	0.00		POL_NDC
1995076	1995/03/17	20:37:27.4	43.6400	-105.2600	0.00		USA_NDC
1995079	1995/03/20	16:45:00.0	67.0800	20.9400	0.00		SWE_NDC
1995081	1995/03/22	16:29:00.0	67.0800	20.9400	0.00		SWE_NDC
1995084	1995/03/25	03:11:17.0	48.2330	-80.1170			MCLAUGHLIN
1995087	1995/03/28	05:57:43.8	-21.7540	147.9670	0.00		AUS_NDC
1995087	1995/03/28	13:56:20.9	51.5300	16.0700	0.00		POL_NDC
1995089	1995/03/30	09:30:00.0	58.7700	18.4800	0.00		SWE_NDC
1995089	1995/03/30	09:36:00.0	58.7700	18.4800	0.00		SWE_NDC
1995089	1995/03/30	09:46:00.0	58.7700	18.4800	0.00		SWE_NDC
1995089	1995/03/30	10:03:00.0	58.7700	18.4800	0.00		SWE_NDC
1995089	1995/03/30	14:31:00.0	56.0200	15.7500	0.00		SWE_NDC
1995089	1995/03/30	14:54:00.0	56.0000	15.6100	0.00		SWE_NDC
1995089	1995/03/30	15:02:00.0	56.0200	15.5700	0.00		SWE_NDC
1995089	1995/03/30	15:30:46.9	67.0800	20.9400	0.00		ISRAELSSON
1995090	1995/03/31	00:57:49.2	51.4800	16.1000	0.00		POL_NDC
1995095	1995/04/05	12:55:00.0	58.7800	18.4500	0.00		SWE_NDC
1995095	1995/04/05	13:07:00.0	58.7800	18.4500	0.00		SWE_NDC
1995095	1995/04/05	13:16:00.0	58.7800	18.4500	0.00		SWE_NDC
1995095	1995/04/05	13:26:00.0	58.7800	18.4500	0.00		SWE_NDC
1995095	1995/04/05	13:38:00.0	58.7800	18.4500	0.00		SWE_NDC
1995097	1995/04/07	20:03:00.9	51.4500	16.1100	0.00		POL_NDC
1995098	1995/04/08	08:35:44.0	51.0600	-93.7400			MCLAUGHLIN
1995100	1995/04/10	03:36:53.5	51.5100	16.0900	0.00		POL_NDC
1995102	1995/04/12	15:29:38.0	67.0800	20.9400	0.00		ISRAELSSON
1995103	1995/04/13	19:31:27.1	51.4700	16.0700	0.00		POL_NDC
1995105	1995/04/15	11:50:18.9	51.5200	16.0500	0.00		POL_NDC
1995105	1995/04/15	12:30:15.4	67.0800	20.9400	0.00		ISRAELSSON
1995106	1995/04/16	01:35:07.2	51.4400	16.1200	0.00		POL_NDC
1995107	1995/04/17	01:30:25.3	50.7200	-101.9300	1.00		CAN_NDC
1995110	1995/04/20	15:40:00.0	67.0800	20.9400	0.00		SWE_NDC
1995111	1995/04/21	04:32:47.0	51.4200	16.1500	0.00		POL_NDC
1995111	1995/04/21	07:18:40.0	48.5310	-71.1590			MCLAUGHLIN
1995112	1995/04/22	03:07:36.7	51.5000	16.0100	0.00		POL_NDC
1995112	1995/04/22	13:35:37.9	51.5100	16.0200	0.00		POL_NDC
1995112	1995/04/22	19:04:42.3	51.4700	16.0600	0.00		POL_NDC
1995114	1995/04/24	15:29:00.0	67.0800	20.9400	0.00		SWE_NDC
1995115	1995/04/25	13:19:00.0	58.7300	18.7800	0.00		SWE_NDC
1995115	1995/04/25	15:26:48.1	67.0800	20.9400	0.00		ISRAELSSON
1995115	1995/04/25	17:37:23.8	51.4800	16.0200	0.00		POL_NDC

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1995115	1995/04/25	19:29:30.6	51.4700	16.0700	0.00		POL_NDC
1995118	1995/04/28	18:39:10.5	51.4600	16.1000	0.00		POL_NDC
1995119	1995/04/29	06:04:00.0	58.8200	15.0900	0.00		SWE_NDC
1995122	1995/05/02	08:23:00.0	58.8300	18.6600	0.00		SWE_NDC
1995123	1995/05/03	10:57:00.0	58.7600	18.5400	0.00		SWE_NDC
1995123	1995/05/03	15:29:06.4	67.0800	20.9400	0.00		ISRAELSSON
1995125	1995/05/05	23:33:42.2	67.8000	20.2000	0.00		ISRAELSSON
1995126	1995/05/06	19:35:01.0	51.4700	16.0800	0.00	3.50	POL_NDC
1995135	1995/05/15	13:27:11.0	48.2330	-80.1170			MCLAUGHLIN
1995138	1995/05/18	08:34:00.0	57.7700	11.4900	0.00		SWE_NDC
1995138	1995/05/18	19:12:08.1	51.4800	16.0200	0.00		POL_NDC
1995140	1995/05/20	04:19:01.5	-26.9431	26.7967	0.00		ZAF_NDC
1995140	1995/05/20	11:55:55.9	51.4800	16.0900	0.00		POL_NDC
1995143	1995/05/23	15:30:00.3	67.0800	20.9400	0.00		ISRAELSSON
1995144	1995/05/24	15:35:36.4	67.0800	20.9400	0.00		ISRAELSSON
1995146	1995/05/26	02:57:25.6	51.5300	16.1200	0.00	4.23	REDB-POL_NDC
1995146	1995/05/26	17:03:11.4	67.0800	20.9400	0.00		ISRAELSSON
1995148	1995/05/28	14:58:11.0	51.0600	-93.7400			MCLAUGHLIN
1995149	1995/05/29	00:57:01.8	51.5000	16.0100	0.00		POL_NDC
1995149	1995/05/29	10:31:58.0	48.6920	-81.3670			MCLAUGHLIN
1995154	1995/06/03	11:40:49.2	51.4700	16.1200	0.00	3.42	POL_NDC
1995157	1995/06/06	04:00:05.7	-23.1780	148.3670	0.00		AUS_NDC
1995157	1995/06/06	15:56:22.4	67.0800	20.9400	0.00		ISRAELSSON
1995158	1995/06/07	20:12:56.2	51.4700	16.0800	0.00		POL_NDC
1995159	1995/06/08	07:15:13.0	48.2330	-80.1170			MCLAUGHLIN
1995159	1995/06/08	21:19:00.0	62.6700	17.9800	0.00		SWE_NDC
1995159	1995/06/08	22:10:00.0	62.6700	17.9800	0.00		SWE_NDC
1995159	1995/06/08	23:00:00.0	62.6700	17.9800	0.00		SWE_NDC
1995159	1995/06/08	23:30:00.0	62.6700	17.9800	0.00		SWE_NDC
1995160	1995/06/09	00:29:00.0	63.3800	14.0800	0.00		SWE_NDC
1995160	1995/06/09	23:29:00.0	62.9400	17.0800	0.00		SWE_NDC
1995161	1995/06/10	02:59:00.0	63.3700	14.0800	0.00		SWE_NDC
1995163	1995/06/12	17:27:00.0	58.8300	18.6400	0.00		SWE_NDC
1995163	1995/06/12	20:29:00.0	62.9400	17.0800	0.00		SWE_NDC
1995163	1995/06/12	21:29:00.0	62.6700	17.9800	0.00		SWE_NDC
1995163	1995/06/12	21:59:00.0	62.6700	17.9800	0.00		SWE_NDC
1995163	1995/06/12	22:29:00.0	62.6700	17.9800	0.00		SWE_NDC
1995163	1995/06/12	23:00:00.0	62.6700	17.9800	0.00		SWE_NDC
1995163	1995/06/12	23:30:00.0	62.6700	17.9800	0.00		SWE_NDC
1995164	1995/06/13	00:29:00.0	63.0800	16.0300	0.00		SWE_NDC
1995164	1995/06/13	19:59:00.0	63.3700	14.0800	0.00		SWE_NDC
1995164	1995/06/13	22:00:00.0	63.3700	14.0800	0.00		SWE_NDC
1995166	1995/06/15	15:30:50.8	67.0800	20.9400	0.00		ISRAELSSON

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1995167	1995/06/16	15:29:52.0	67.0800	20.9400	0.00		ISRAELSSON
1995171	1995/06/20	04:35:43.4	51.5200	16.0500	0.00		POL_NDC
1995171	1995/06/20	08:05:50.0	48.2330	-80.1170			MCLAUGHLIN
1995171	1995/06/20	15:30:06.2	67.0800	20.9400	0.00		ISRAELSSON
1995172	1995/06/21	12:59:11.0	48.1010	-77.7560			MCLAUGHLIN
1995173	1995/06/22	12:39:00.0	58.2100	11.4100	0.00		SWE_NDC
1995173	1995/06/22	18:09:00.0	58.8200	15.0900	0.00		SWE_NDC
1995174	1995/06/23	03:02:14.2	-22.2860	148.1840	0.00		AUS_NDC
1995175	1995/06/24	00:52:11.0	51.4400	16.1500	0.00		POL_NDC
1995177	1995/06/26	14:30:00.0	61.5600	13.8100	0.00		SWE_NDC
1995178	1995/06/27	14:45:00.0	61.5600	13.8100	0.00		SWE_NDC
1995179	1995/06/28	08:30:00.0	61.5600	13.8100	0.00		SWE_NDC
1995179	1995/06/28	14:45:00.0	61.5600	13.8100	0.00		SWE_NDC
1995181	1995/06/30	02:10:02.0	51.4800	16.0200	0.00		POL_NDC
1995182	1995/07/01	09:22:00.0	58.8200	15.0900	0.00		SWE_NDC
1995182	1995/07/01	22:55:19.0	51.4500	16.1000	0.00		POL_NDC
1995186	1995/07/05	15:35:00.4	67.0800	20.9400	0.00		ISRAELSSON
1995188	1995/07/07	04:09:51.6	51.4400	16.1200	0.00		POL_NDC
1995194	1995/07/13	14:02:54.9	51.5000	16.0100	0.00		POL_NDC
1995199	1995/07/18	19:47:43.0	43.6900	-105.2600	0.00		USA_NDC
1995203	1995/07/22	07:01:34.8	51.4700	16.1300	0.00	3.55	POL_NDC
1995203	1995/07/22	11:21:48.8	51.4800	16.1000	0.00		POL_NDC
1995204	1995/07/23	06:43:02.8	51.5200	16.0500	0.00		POL_NDC
1995204	1995/07/23	10:15:53.0	51.4500	16.1000	0.00		POL_NDC
1995204	1995/07/23	11:53:00.0	62.6500	17.9800	0.00		SWE_NDC
1995210	1995/07/29	11:19:05.5	51.4800	16.0900	0.00		POL_NDC
1995217	1995/08/05	22:41:39.3	67.1800	20.6700	0.00		ISRAELSSON
1995218	1995/08/06	23:08:10.4	51.4700	16.1400	0.00		POL_NDC
1995220	1995/08/08	15:28:30.5	67.0800	20.9400	0.00		ISRAELSSON
1995221	1995/08/09	15:29:55.4	67.0800	20.9400	0.00		ISRAELSSON
1995224	1995/08/12	00:50:42.4	51.4600	16.0600	0.00		POL_NDC
1995225	1995/08/13	17:45:51.3	51.5000	16.0100	0.00		POL_NDC
1995225	1995/08/13	23:50:35.4	67.1800	20.6700	0.00		ISRAELSSON
1995227	1995/08/15	17:18:14.2	67.0800	20.9400	0.00		ISRAELSSON
1995227	1995/08/15	22:21:12.6	51.4700	16.0500	0.00		POL_NDC
1995231	1995/08/19	23:30:48.6	67.8000	20.2000	0.00		ISRAELSSON
1995232	1995/08/20	03:39:10.5	51.4700	16.1000	0.00		POL_NDC
1995232	1995/08/20	04:53:47.5	51.5200	16.0500	0.00		POL_NDC
1995233	1995/08/21	11:03:35.5	51.5100	16.0900	0.00		POL_NDC
1995233	1995/08/21	23:38:39.6	67.8000	20.2000	0.00		ISRAELSSON
1995235	1995/08/23	15:51:44.9	67.0800	20.9400	0.00		ISRAELSSON
1995236	1995/08/24	14:45:59.0	51.5400	16.0700	0.00	4.00	POL_NDC
1995237	1995/08/25	15:06:15.7	51.4500	16.1100	0.00	4.12	REDB-POL_NDC

**GT2**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1995237	1995/08/25	19:57:46.0	51.4800	16.0800	0.00	3.33	POL_NDC
1995238	1995/08/26	11:07:53.7	51.5200	16.1100	0.00		POL_NDC
1995238	1995/08/26	19:15:44.0	48.2330	-80.1170			MCLAUGHLIN
1995239	1995/08/27	19:02:37.0	48.2330	-80.1170			MCLAUGHLIN
1995240	1995/08/28	14:03:05.0	48.2330	-80.1170			MCLAUGHLIN
1995242	1995/08/30	15:33:00.0	67.0800	20.9400	0.00		SWE_NDC
1995243	1995/08/31	03:02:00.0	58.8200	15.0900	0.00		SWE_NDC
1995243	1995/08/31	15:52:00.0	58.8200	15.0900	0.00		SWE_NDC
1995243	1995/08/31	19:33:45.7	51.4800	16.0800	0.00		POL_NDC
1995245	1995/09/02	20:48:00.0	58.8200	15.0900	0.00		SWE_NDC
1995247	1995/09/04	05:34:15.0	48.6920	-81.3670			MCLAUGHLIN
1995247	1995/09/04	19:26:44.2	51.4500	16.1000	0.00		POL_NDC
1995248	1995/09/05	07:05:52.9	51.4500	16.1000	0.00		POL_NDC
1995250	1995/09/07	17:09:35.6	51.5200	16.0400	0.00		POL_NDC
1995253	1995/09/10	04:28:55.6	51.4700	16.1500	0.00		POL_NDC
1995254	1995/09/11	15:29:00.0	67.0800	20.9400	0.00		SWE_NDC
1995257	1995/09/14	13:24:00.0	56.1200	15.0100	0.00		SWE_NDC
1995257	1995/09/14	17:39:06.3	51.5200	16.0600	0.00		POL_NDC
1995260	1995/09/17	07:20:15.5	51.4700	16.1000	0.00		POL_NDC
1995260	1995/09/17	13:30:37.7	51.4500	16.1000	0.00		POL_NDC
1995261	1995/09/18	02:29:33.8	67.8000	20.2000	0.00		ISRAELSSON
1995261	1995/09/18	05:45:11.0	-21.7540	147.9670	0.00	3.78	AUS_NDC
1995263	1995/09/20	15:30:40.1	67.0800	20.9400	0.00		ISRAELSSON
1995265	1995/09/22	19:34:23.2	51.4700	16.0800	0.00		POL_NDC
1995266	1995/09/23	05:52:17.0	51.5100	16.0000	0.00		POL_NDC
1995268	1995/09/25	09:48:04.0	51.4500	16.1000	0.00		POL_NDC
1995270	1995/09/27	16:30:30.5	67.0800	20.9400	0.00		ISRAELSSON
1995270	1995/09/27	18:57:27.0	51.4400	16.1200	0.00		POL_NDC
1995270	1995/09/27	23:15:37.0	67.1800	20.6700	0.00		ISRAELSSON
1995271	1995/09/28	01:48:48.4	-21.7540	147.9670	0.00		AUS_NDC
1995273	1995/09/30	23:03:50.1	67.1800	20.6700	0.00		ISRAELSSON
1995274	1995/10/01	12:05:34.0	51.5200	16.0500	0.00		POL_NDC
1995277	1995/10/04	11:07:38.5	51.4800	16.0200	0.00		POL_NDC
1995278	1995/10/05	04:36:17.5	51.5000	16.0800	0.00		POL_NDC
1995278	1995/10/05	13:47:59.9	39.8633	141.8000	71.30	3.40	JPN_NDC
1995279	1995/10/06	22:49:15.6	51.4900	16.0200	0.00		POL_NDC
1995280	1995/10/07	18:42:20.4	51.4500	16.1000	0.00		POL_NDC
1995283	1995/10/10	17:16:19.8	51.5300	16.1200	0.00		POL_NDC
1995285	1995/10/12	00:30:19.9	67.8000	20.2000	0.00		ISRAELSSON
1995285	1995/10/12	16:30:30.4	67.0800	20.9400	0.00		ISRAELSSON
1995286	1995/10/13	01:11:09.9	-21.7540	147.9670	0.00		AUS_NDC
1995286	1995/10/13	17:04:05.9	34.6270	135.1140	15.28		REDB:JPN_NDC
1995287	1995/10/14	15:29:58.8	51.4400	16.1200	0.00		POL_NDC

**GT2**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1995287	1995/10/14	18:49:49.7	51.4400	16.1500	0.00		POL_NDC
1995289	1995/10/16	20:14:54.4	51.4700	16.1400	0.00		POL_NDC
1995291	1995/10/18	19:33:33.7	42.7733	143.2083	118.90	3.90	JPN_NDC
1995293	1995/10/20	00:14:25.8	51.4500	16.1000	0.00		POL_NDC
1995294	1995/10/21	12:29:48.0	51.4700	16.1200	0.00		POL_NDC
1995295	1995/10/22	05:22:30.5	51.4800	16.1000	0.00		POL_NDC
1995296	1995/10/23	16:31:00.0	67.0800	20.9400	0.00		SWE_NDC
1995297	1995/10/24	14:33:19.6	51.4700	16.1200	0.00		POL_NDC
1995297	1995/10/24	20:26:55.0	51.4800	16.0200	0.00		POL_NDC
1995299	1995/10/26	00:37:31.0	36.9322	-83.0253	0.00		REDB-USA_NDC
1995299	1995/10/26	17:09:00.0	67.0800	20.9400	0.00		SWE_NDC
1995299	1995/10/26	21:12:38.6	36.5317	140.4850	54.40	3.90	JPN_NDC
1995304	1995/10/31	04:28:49.2	51.4500	16.1000	0.00		POL_NDC
1995306	1995/11/02	03:18:04.4	-22.2860	148.1840	0.00		AUS_NDC
1995306	1995/11/02	20:36:09.0	49.5670	-125.5830			MCLAUGHLIN
1995309	1995/11/05	04:12:43.0	36.0817	139.9133	50.00	3.90	JPN_NDC
1995315	1995/11/11	12:25:12.0	48.1010	-77.7560			MCLAUGHLIN
1995315	1995/11/11	21:01:55.8	35.6817	139.5033	48.90	4.10	JPN_NDC
1995316	1995/11/12	10:11:54.1	51.4500	16.1000	0.00		POL_NDC
1995317	1995/11/13	00:14:10.1	51.5100	16.0900	0.00		POL_NDC
1995321	1995/11/17	00:29:23.6	67.8000	20.2000	0.00		ISRAELSSON
1995321	1995/11/17	01:42:22.8	-22.2860	148.1840	0.00		AUS_NDC
1995322	1995/11/18	05:02:59.3	51.5300	16.0400	0.00		POL_NDC
1995324	1995/11/20	03:38:37.7	51.5400	16.0800	0.00		POL_NDC
1995327	1995/11/23	05:02:26.2	51.4800	16.0900	0.00	3.69	POL_NDC
1995327	1995/11/23	11:02:10.6	41.3497	140.0413	9.10		JPN_NDC
1995334	1995/11/30	16:46:08.0	51.4700	16.1200	0.00		POL_NDC
1995336	1995/12/02	05:13:32.8	51.5100	16.0000	0.00		POL_NDC
1995336	1995/12/02	09:13:40.4	51.5400	16.0800	0.00		POL_NDC
1995337	1995/12/03	01:10:21.7	51.5200	16.0500	0.00		POL_NDC
1995339	1995/12/05	23:10:40.8	67.1800	20.6700	0.00		ISRAELSSON
1995343	1995/12/09	23:11:05.1	67.1800	20.6700	0.00		ISRAELSSON
1995347	1995/12/13	00:30:27.1	67.8000	20.2000	0.00		ISRAELSSON
1995347	1995/12/13	04:10:37.4	51.4700	16.1200	0.00		POL_NDC
1995347	1995/12/13	20:28:03.9	51.4500	16.1000	0.00		POL_NDC
1995348	1995/12/14	23:22:18.6	67.1800	20.6700	0.00		ISRAELSSON
1995350	1995/12/16	16:45:07.0	51.5200	16.0000	0.00		POL_NDC
1995354	1995/12/20	20:29:50.7	51.4800	16.0800	0.00		POL_NDC
1995356	1995/12/22	05:52:28.9	38.2005	140.3875	11.10		JPN_NDC
1995356	1995/12/22	10:07:11.7	34.4643	134.8425	11.50		JPN_NDC
1995356	1995/12/22	12:41:42.4	34.2063	135.1140	9.50		JPN_NDC
1995357	1995/12/23	12:10:02.2	51.5100	16.0900	0.00		POL_NDC
1995359	1995/12/25	09:49:49.9	51.4400	16.1500	0.00		POL_NDC

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1995360	1995/12/26	07:33:45.0	51.0600	-93.7400			MCLAUGHLIN
1995360	1995/12/26	07:34:46.0	51.0600	-93.7400			MCLAUGHLIN
1995361	1995/12/27	09:34:35.2	51.4400	16.1600	0.00		POL_NDC
1995361	1995/12/27	09:38:58.0	51.5200	16.0300	0.00		POL_NDC
1995362	1995/12/28	16:40:40.2	67.0800	20.9400	0.00		ISRAELSSON
1995363	1995/12/29	12:53:45.0	51.0600	-93.7400			MCLAUGHLIN
1996001	1996/01/01	17:17:45.5	29.3325	34.7173	1.00	4.10	ISR_NDC
1996002	1996/01/02	04:59:57.3	-30.5830	138.3830	0.00		AUS_NDC
1996002	1996/01/02	16:39:23.1	67.0800	20.9400	0.00		ISRAELSSON
1996002	1996/01/02	19:14:46.0	28.8452	34.7367	18.00	4.60	REDB:ISR_NDC
1996004	1996/01/04	03:52:02.1	34.1315	136.0630	47.70		JPN_NDC
1996004	1996/01/04	20:12:58.0	42.0142	142.5042	60.90		JPN_NDC
1996009	1996/01/09	20:59:57.8	-30.5830	138.3830	0.00		AUS_NDC
1996011	1996/01/11	17:31:19.8	67.0800	20.9400	0.00		ISRAELSSON
1996013	1996/01/13	04:59:54.8	-30.5830	138.3830	0.00		AUS_NDC
1996014	1996/01/14	00:28:50.0	41.3573	140.0505	9.90		JPN_NDC
1996014	1996/01/14	00:29:52.3	67.8000	20.2000	0.00		ISRAELSSON
1996017	1996/01/17	16:29:14.1	67.0800	20.9400	0.00		ISRAELSSON
1996020	1996/01/20	21:15:48.0	51.0600	-93.7400			MCLAUGHLIN
1996021	1996/01/21	00:30:33.9	67.8000	20.2000	0.00		ISRAELSSON
1996024	1996/01/24	20:59:58.9	-30.5830	138.3830	0.00		AUS_NDC
1996025	1996/01/25	11:11:34.1	33.6940	132.3608	56.90		JPN_NDC
1996027	1996/01/27	12:59:46.9	67.0800	20.9400	0.00		ISRAELSSON
1996028	1996/01/28	18:56:28.9	38.2618	139.9737	13.40		JPN_NDC
1996029	1996/01/29	07:42:56.2	40.4567	141.6168	118.20		JPN_NDC
1996034	1996/02/03	21:30:14.9	37.1895	140.6443	81.10		JPN_NDC
1996038	1996/02/07	01:33:16.5	35.9318	136.6260	12.15		REDB:JPN_NDC
1996039	1996/02/08	04:59:42.5	41.3710	140.0765	7.80		JPN_NDC
1996039	1996/02/08	17:27:06.0	67.0800	20.9400	0.00		ISRAELSSON
1996044	1996/02/13	16:30:02.2	67.0800	20.9400	0.00		ISRAELSSON
1996046	1996/02/15	16:42:38.9	67.0800	20.9400	0.00		ISRAELSSON
1996049	1996/02/18	00:30:32.3	67.8000	20.2000	0.00		ISRAELSSON
1996050	1996/02/19	02:41:47.3	-21.7540	147.9670	0.00		AUS_NDC
1996050	1996/02/19	09:53:18.0	48.0120	-77.2500			MCLAUGHLIN
1996052	1996/02/21	00:30:23.8	67.8000	20.2000	0.00		ISRAELSSON
1996055	1996/02/24	09:33:30.0	51.0600	-93.7400			MCLAUGHLIN
1996059	1996/02/28	16:49:09.8	67.0800	20.9400	0.00		ISRAELSSON
1996060	1996/02/29	09:01:14.8	42.6158	143.0248	116.90		JPN_NDC
1996062	1996/03/02	23:07:49.2	67.1800	20.6700	0.00		ISRAELSSON
1996064	1996/03/04	04:15:34.6	-22.4170	148.2830	0.00		AUS_NDC
1996064	1996/03/04	22:57:28.3	67.1800	20.6700	0.00		ISRAELSSON
1996066	1996/03/06	14:12:27.6	35.4705	138.9455	19.40		JPN_NDC
1996066	1996/03/06	14:35:28.7	35.4727	138.9510	19.59		REDB:JPN_NDC

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1996068	1996/03/08	05:09:57.0	48.0120	-77.2500			MCLAUGHLIN
1996071	1996/03/11	20:13:36.4	43.6400	-105.2600	0.00		USA_NDC
1996072	1996/03/12	18:49:02.1	-26.8790	26.7942	0.00		ZAF_NDC
1996074	1996/03/14	18:38:22.0	48.0120	-77.2500			MCLAUGHLIN
1996074	1996/03/14	20:54:33.0	48.0120	-77.2500			MCLAUGHLIN
1996075	1996/03/15	09:44:50.0	48.0120	-77.2500			MCLAUGHLIN
1996076	1996/03/16	18:06:27.9	35.6087	139.5422	29.80		JPN_NDC
1996077	1996/03/17	07:49:23.2	35.7492	137.1143	13.30		JPN_NDC
1996079	1996/03/19	23:09:36.9	67.1800	20.6700	0.00		ISRAELSSON
1996080	1996/03/20	03:11:21.4	41.3367	140.0337	8.70		JPN_NDC
1996080	1996/03/20	23:08:59.9	67.1800	20.6700	0.00		ISRAELSSON
1996081	1996/03/21	08:44:00.0	55.9800	15.5800	0.00		SWE_NDC
1996081	1996/03/21	09:59:00.0	55.9900	15.6000	0.00		SWE_NDC
1996088	1996/03/28	20:07:33.2	50.1662	-114.8276	0.00		CAN_NDC
1996092	1996/04/01	15:30:36.8	67.0800	20.9400	0.00		ISRAELSSON
1996096	1996/04/05	11:02:18.2	34.1960	135.1322	9.10		JPN_NDC
1996096	1996/04/05	20:12:26.8	35.5355	140.0867	78.00		JPN_NDC
1996096	1996/04/05	20:13:59.0	43.6600	-105.2700	0.00		USA_NDC
1996097	1996/04/06	17:04:29.5	42.2520	143.0962	65.90		JPN_NDC
1996100	1996/04/09	00:37:33.9	38.8728	140.8288	11.10		JPN_NDC
1996103	1996/04/12	15:39:53.5	67.0800	20.9400	0.00		ISRAELSSON
1996104	1996/04/13	05:59:58.4	-30.5830	138.3830	0.00		AUS_NDC
1996104	1996/04/13	10:10:36.1	43.0670	145.0055	60.10		JPN_NDC
1996110	1996/04/19	05:59:58.7	-30.5830	138.3830	0.00		AUS_NDC
1996110	1996/04/19	08:50:16.3	36.9322	-83.0253	0.00		USA_NDC
1996114	1996/04/23	04:08:02.4	39.2098	141.5020	76.11		REDB:JPN_NDC
1996116	1996/04/25	16:12:09.2	67.0800	20.9400	0.00		ISRAELSSON
1996123	1996/05/02	15:37:00.5	67.0800	20.9400	0.00		ISRAELSSON
1996125	1996/05/04	09:18:45.9	36.9322	-83.0253	0.00		USA_NDC
1996125	1996/05/04	22:02:52.7	67.1800	20.6700	0.00		ISRAELSSON
1996127	1996/05/06	00:23:05.6	36.6095	138.9280	148.60		JPN_NDC
1996128	1996/05/07	22:09:20.6	67.1800	20.6700	0.00		ISRAELSSON
1996132	1996/05/11	23:29:59.4	67.8000	20.2000	0.00		ISRAELSSON
1996134	1996/05/13	20:19:00.0	36.9322	-83.0253	0.00		USA_NDC
1996136	1996/05/15	00:29:06.6	36.7722	140.2183	81.90		JPN_NDC
1996137	1996/05/16	22:32:01.8	67.1800	20.6700	0.00		ISRAELSSON
1996140	1996/05/19	03:59:27.1	35.3165	140.3135	32.40		JPN_NDC
1996140	1996/05/19	16:48:28.0	67.0800	20.9400	0.00		ISRAELSSON
1996140	1996/05/19	21:55:01.6	67.1800	20.6700	0.00		ISRAELSSON
1996141	1996/05/20	10:41:45.3	33.5907	131.6053	113.60		JPN_NDC
1996142	1996/05/21	00:15:31.0	67.8000	20.2000	0.00		ISRAELSSON
1996142	1996/05/21	03:46:34.0	35.1945	140.2715	32.60		JPN_NDC
1996144	1996/05/23	22:02:19.6	67.1800	20.6700	0.00		ISRAELSSON

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1996147	1996/05/26	20:38:16.2	34.9645	138.2108	26.10		JPN_NDC
1996151	1996/05/30	16:07:59.0	67.0800	20.9400	0.00		ISRAELSSON
1996153	1996/06/01	21:58:51.3	67.1800	20.6700	0.00		ISRAELSSON
1996154	1996/06/02	11:45:33.1	37.0293	139.3808	7.50		JPN_NDC
1996156	1996/06/04	14:15:41.0	48.0200	-84.7500			MCLAUGHLIN
1996157	1996/06/05	00:37:50.1	39.4737	141.7038	12.80		JPN_NDC
1996157	1996/06/05	12:26:44.0	39.8005	141.7332	74.10		JPN_NDC
1996158	1996/06/06	15:38:44.6	67.0800	20.9400	0.00		ISRAELSSON
1996160	1996/06/08	16:46:07.7	34.7693	136.0850	63.30		JPN_NDC
1996163	1996/06/11	05:25:43.8	35.9557	140.0902	73.90		JPN_NDC
1996164	1996/06/12	21:57:00.4	36.0815	139.8840	54.70		JPN_NDC
1996166	1996/06/14	21:59:44.7	67.1800	20.6700	0.00		ISRAELSSON
1996167	1996/06/15	02:10:00.9	35.2505	133.3837	11.30		JPN_NDC
1996176	1996/06/24	15:34:07.8	67.0800	20.9400	0.00		ISRAELSSON
1996179	1996/06/27	21:28:39.3	67.1800	20.6700	0.00		ISRAELSSON
1996192	1996/07/10	06:44:21.0	48.6920	-81.3670			MCLAUGHLIN
1996192	1996/07/10	15:30:34.8	67.0800	20.9400	0.00		ISRAELSSON
1996199	1996/07/17	15:30:09.9	67.0800	20.9400	0.00		ISRAELSSON
1996214	1996/08/01	19:33:05.2	43.6400	-105.2600	0.00		USA_NDC
1996216	1996/08/03	10:32:23.0	48.0120	-77.2500			MCLAUGHLIN
1996216	1996/08/03	23:30:54.5	67.8000	20.2000	0.00		ISRAELSSON
1996220	1996/08/07	15:29:55.1	67.0800	20.9400	0.00		ISRAELSSON
1996241	1996/08/28	15:29:07.6	67.0800	20.9400	0.00		ISRAELSSON
1996249	1996/09/05	15:32:53.3	67.0800	20.9400	0.00	3.61	ISRAELSSON
1996255	1996/09/11	03:36:35.9	51.4475	11.8576	0.70		REDB-SWE_NDC
1996261	1996/09/17	15:34:57.5	67.0800	20.9400	0.00		ISRAELSSON
1996268	1996/09/24	08:38:39.0	48.2330	-80.1170			MCLAUGHLIN
1996283	1996/10/09	14:33:57.3	67.0800	20.9400	0.00		ISRAELSSON
1996289	1996/10/15	05:59:45.8	-30.5830	138.3830	0.00		AUS_NDC
1996317	1996/11/12	00:15:11.0	48.2330	-80.1170			MCLAUGHLIN
1996341	1996/12/06	02:15:00.0	48.0120	-77.2500			MCLAUGHLIN
1996359	1996/12/24	04:59:55.9	-30.5830	138.3830	0.00		AUS_NDC
1997014	1997/01/14	04:59:58.1	-30.5830	138.3830	0.00		AUS_NDC
1997021	1997/01/21	20:15:28.4	43.6600	-105.2700	0.00		USA_NDC
1997047	1997/02/16	03:49:51.0	48.2330	-80.1170			MCLAUGHLIN
1997102	1997/04/12	07:21:42.0	48.1380	-80.0700	0.00		REDB:CAN_NDC
1997102	1997/04/12	11:26:24.0	48.2330	-80.1170			MCLAUGHLIN
1997102	1997/04/12	12:11:38.3	48.1380	-80.0700	0.00		REDB:CAN_NDC
1997102	1997/04/12	12:23:53.0	48.2330	-80.1170			MCLAUGHLIN
1997102	1997/04/12	12:24:45.0	48.2330	-80.1170			MCLAUGHLIN
1997113	1997/04/23	12:55:00.8	50.5890	-101.7780	1.00	2.70	REDB:CAN_NDC
1997138	1997/05/18	19:46:56.5	32.7764	35.2655	10.00	4.10	ISR_NDC
1997149	1997/05/29	07:06:28.3	33.2675	35.6272	6.00	4.10	ISR_NDC

**GT2**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1997159	1997/06/08	21:35:47.0	45.5830	-65.5830			MCLAUGHLIN
1997175	1997/06/24	19:55:34.0	45.5830	-65.5830			MCLAUGHLIN
1997177	1997/06/26	10:58:44.0	45.5830	-65.5830			MCLAUGHLIN
1997177	1997/06/26	17:12:12.0	45.5830	-65.5830			MCLAUGHLIN
1997182	1997/07/01	12:41:31.0	48.1010	-77.7560			MCLAUGHLIN
1997186	1997/07/05	06:27:09.3	35.0148	138.3112	25.00		JPN_NDC
1997186	1997/07/05	19:28:09.3	37.9853	139.2492	12.00		JPN_NDC
1997186	1997/07/05	20:18:10.8	37.9880	139.2460	12.40		JPN_NDC
1997186	1997/07/05	22:09:24.0	37.9868	139.2517	13.60		JPN_NDC
1997187	1997/07/06	01:26:11.0	48.1010	-77.7560			MCLAUGHLIN
1997190	1997/07/09	09:36:07.5	35.5513	140.1288	77.30		JPN_NDC
1997192	1997/07/11	16:23:56.2	39.3122	140.9857	136.60		JPN_NDC
1997193	1997/07/12	17:48:00.9	35.5498	140.1300	74.80		JPN_NDC
1997266	1997/09/23	22:02:36.9	35.5435	139.0105	20.10		JPN_NDC
1997273	1997/09/30	13:12:20.0	48.1400	-79.5800			MCLAUGHLIN
1997283	1997/10/10	21:26:53.3	35.9095	140.1262	64.60		JPN_NDC
1997291	1997/10/18	06:19:22.2	36.2645	140.4682	50.70		JPN_NDC
1997294	1997/10/21	07:46:10.6	32.7363	131.9458	46.60		JPN_NDC
1997294	1997/10/21	10:55:25.5	35.1103	138.2322	33.10		JPN_NDC
1997295	1997/10/22	06:41:00.5	36.0315	140.1088	67.70		JPN_NDC
1997295	1997/10/22	18:54:38.7	42.0298	142.5283	58.40		JPN_NDC
1997299	1997/10/26	19:06:44.3	39.3200	140.6190	119.70		REDB:JPN_NDC
1997300	1997/10/27	22:43:23.0	48.1010	-77.7560			MCLAUGHLIN
1997305	1997/11/01	11:37:06.6	35.2505	139.1177	15.10		JPN_NDC
1997305	1997/11/01	22:13:04.6	36.0605	139.9235	51.30		JPN_NDC
1997307	1997/11/03	08:35:45.2	36.0037	140.1030	68.90		JPN_NDC
1997308	1997/11/04	01:31:08.4	35.2478	139.1157	14.80		JPN_NDC
1997309	1997/11/05	20:04:38.1	43.0260	144.4300	112.50		JPN_NDC
1997310	1997/11/06	17:19:13.9	35.6958	140.2753	53.60		JPN_NDC
1997311	1997/11/07	06:16:42.6	35.3400	140.2515	56.90		JPN_NDC
1997311	1997/11/07	17:46:59.2	36.3735	137.6007	6.80		JPN_NDC
1997312	1997/11/08	07:55:13.7	38.2567	140.5890	134.30		JPN_NDC
1997314	1997/11/10	16:19:16.0	48.0900	-79.3600			MCLAUGHLIN
1997330	1997/11/26	12:20:22.0	45.5830	-65.5830			MCLAUGHLIN
1997336	1997/12/02	01:55:26.0	49.4900	-74.4300			MCLAUGHLIN
1997347	1997/12/13	20:34:24.2	34.8952	137.5407	43.20		JPN_NDC
1997350	1997/12/16	11:34:42.0	40.4973	140.0198	182.50		JPN_NDC
1997353	1997/12/19	13:07:55.2	36.3205	136.2230	12.48		REDB:JPN_NDC
1997356	1997/12/22	19:08:04.6	42.9782	143.4882	113.30		JPN_NDC
1997360	1997/12/26	15:33:09.5	31.1198	130.3570	158.10		JPN_NDC
1997361	1997/12/27	01:08:14.8	34.1500	135.0575	11.40		JPN_NDC
1997362	1997/12/28	23:31:43.8	36.1305	138.5575	164.00		JPN_NDC
1997365	1997/12/31	17:10:00.0	47.4580	-92.9260	0.00		CCI-HTC

**GT2**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1998006	1998/01/06	06:11:52.0	45.5830	-65.5830			MCLAUGHLIN
1998023	1998/01/23	21:25:12.0	45.5830	-65.5830			MCLAUGHLIN
1998076	1998/03/17	07:45:00.0	48.2330	-80.1170			MCLAUGHLIN
1998105	1998/04/15	13:43:57.0	51.0600	-93.7400			MCLAUGHLIN
1998215	1998/08/03	10:17:02.0	48.1010	-77.7560			MCLAUGHLIN
1998215	1998/08/03	10:17:08.0	48.1010	-77.7560			MCLAUGHLIN
1998217	1998/08/05	13:25:28.0	48.1400	-79.5800			MCLAUGHLIN
1998233	1998/08/21	10:46:52.0	51.0600	-93.7400			MCLAUGHLIN
1998253	1998/09/10	22:45:51.0	48.6920	-81.3670			MCLAUGHLIN
1998292	1998/10/19	10:50:24.0	49.5670	-125.5830			MCLAUGHLIN
1998298	1998/10/25	14:24:49.0	48.1010	-77.7560			MCLAUGHLIN
1998298	1998/10/25	14:54:58.0	48.1010	-77.7560			MCLAUGHLIN
1998325	1998/11/21	20:47:22.0	51.0600	-93.7400			MCLAUGHLIN
1999001	1999/01/01	04:36:56.0	48.6920	-81.3670			MCLAUGHLIN
1999011	1999/01/11	02:49:51.0	51.0600	-93.7400			MCLAUGHLIN
1999025	1999/01/25	18:52:05.0	36.7773	-115.9630	3.82		REDB-UNRSL
1999027	1999/01/27	10:44:21.2	36.7925	-115.9570	1.75		REDB-UNRSL
1999027	1999/01/27	13:33:28.8	36.7897	-115.9770	2.54		UNRSL
1999027	1999/01/27	14:37:02.4	36.8367	-115.9680	2.07		UNRSL
1999028	1999/01/28	12:39:02.0	36.7810	-115.9580	2.88		UNRSL
1999078	1999/03/19	17:27:39.0	48.6920	-81.3670			MCLAUGHLIN
1999079	1999/03/20	21:38:35.0	48.6920	-81.3670			MCLAUGHLIN
1999079	1999/03/20	21:39:07.0	48.6920	-81.3670			MCLAUGHLIN
1999083	1999/03/24	07:47:11.0	48.6920	-81.3670			MCLAUGHLIN
1999088	1999/03/29	21:09:06.0	48.6920	-85.9110			MCLAUGHLIN
1999126	1999/05/06	08:51:28.0	48.6920	-81.3670			MCLAUGHLIN
1999153	1999/06/02	06:27:00.7	69.4010	30.7250	0.00	0.00	NORSAR
1999189	1999/07/08	18:50:00.0	30.6247	-86.2792	0.00		DTRA/DoD
1999213	1999/08/01	16:06:22.0	37.3850	-117.0850	12.00	5.70	REDB-UNRSL
1999216	1999/08/04	11:30:20.0	48.6920	-81.3670			MCLAUGHLIN
1999238	1999/08/26	11:04:51.3	69.4010	30.7250	0.00	0.00	NORSAR
1999302	1999/10/29	09:17:44.0	48.6920	-81.3670			MCLAUGHLIN
1999351	1999/12/17	23:40:14.0	48.6920	-85.9110			MCLAUGHLIN
2000009	2000/01/09	00:25:49.0	48.6920	-85.9110			MCLAUGHLIN
2000009	2000/01/09	00:30:40.0	48.6920	-85.9110			MCLAUGHLIN
2000019	2000/01/19	16:55:28.0	48.6920	-81.3670			MCLAUGHLIN
2000038	2000/02/07	15:58:55.0	48.6920	-81.3670			MCLAUGHLIN
2000048	2000/02/17	07:02:45.0	48.6920	-81.3670			MCLAUGHLIN
2000062	2000/03/02	04:13:31.0	48.6920	-81.3670			MCLAUGHLIN
2000067	2000/03/07	12:31:07.0	48.6920	-81.3670			MCLAUGHLIN
2000067	2000/03/07	21:48:18.0	51.0600	-93.7400			MCLAUGHLIN
2000071	2000/03/11	17:17:38.0	48.6920	-81.3670			MCLAUGHLIN
2000076	2000/03/16	08:40:52.0	48.6920	-81.3670			MCLAUGHLIN

**GT5**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1964262	1964/09/18	08:00:00.4	73.6670	54.5330	0.00	4.19	EX:AWE-JED
1967168	1967/06/17	00:19:08.2	40.7440	89.7750			EX:GUPTA-JED
1968237	1968/08/24	18:30:00.5	-22.2280	-138.6440	0.00	4.95	EX:AWE-JED
1968252	1968/09/08	19:00:01.0	-21.8210	-138.9750	0.00	4.91	EX:AWE-JED
1969265	1969/09/22	16:14:59.2	41.3760	88.3180			EX:GUPTA-JED
1969272	1969/09/29	08:40:12.4	40.7220	89.5150			EX:GUPTA-JED
1970150	1970/05/30	17:59:59.9	-22.3090	-138.6060	0.00	4.44	EX:AWE-JED
1970184	1970/07/03	18:30:00.3	-21.9350	-138.9170	0.00	4.65	EX:AWE-JED
1970287	1970/10/14	07:29:56.9	40.5200	89.7790			EX:GUPTA-JED
1971226	1971/08/14	19:00:00.8	-21.8230	-138.9760	0.00	4.65	EX:AWE-JED
1973047	1973/02/16	05:03:00.0	49.8160	78.1160	0.00		EX:AWRE-JED
1973109	1973/04/19	04:32:59.9	49.9840	77.6140	0.00		EX:AWRE-JED
1973178	1973/06/27	03:59:46.3	40.7985	89.8091			EX:GUPTA-JED
1973191	1973/07/10	01:27:00.2	49.7920	78.0420	0.00		EX:AWRE-JED
1973270	1973/09/27	07:00:01.1	70.7310	53.8360	0.00	5.89	EX:AWE-JED
1973299	1973/10/26	04:27:00.1	49.7530	78.1220	0.00		EX:AWRE-JED
1973300	1973/10/27	07:00:00.6	70.7800	54.0350	0.00	6.98	EX:AWE-JED
1974030	1974/01/30	04:57:04.6	49.8450	78.0510	0.00		EX:AWRE-JED
1974136	1974/05/16	03:03:00.1	49.7450	78.0530	0.00		EX:AWRE-JED
1974168	1974/06/17	05:59:52.7	40.5180	89.6190			EX:GUPTA-JED
1974176	1974/06/25	03:57:00.2	49.8440	78.1110	0.00		EX:AWRE-JED
1974191	1974/07/10	02:57:00.0	49.7720	78.0880	0.00		EX:AWRE-JED
1974256	1974/09/13	03:03:00.0	49.7750	78.0360	0.00		EX:AWRE-JED
1974306	1974/11/02	05:00:00.0	70.8100	53.9100	0.00	6.81	EX:AWE-JED
1974350	1974/12/16	06:23:00.1	49.7870	78.0920	0.00		EX:AWRE-JED
1974350	1974/12/16	06:41:00.3	49.8580	78.0530	0.00		EX:AWRE-JED
1975051	1975/02/20	05:33:00.0	49.7810	78.0190	0.00		EX:AWRE-JED
1975070	1975/03/11	05:43:00.1	49.7400	78.1020	0.00		EX:AWRE-JED
1975159	1975/06/08	03:27:00.0	49.7570	78.0080	0.00		EX:AWRE-JED
1975219	1975/08/07	03:57:00.1	49.8080	78.1200	0.00		EX:AWRE-JED
1975291	1975/10/18	08:59:59.4	70.8160	53.7530	0.00	6.75	EX:AWE-JED
1975300	1975/10/27	00:59:58.2	41.3750	88.3260			EX:GUPTA-JED
1975347	1975/12/13	04:57:00.0	49.8060	78.1210	0.00		EX:AWRE-JED
1976015	1976/01/15	04:47:00.0	49.8170	78.1610	0.00		EX:AWRE-JED
1976112	1976/04/21	04:58:00.2	49.7730	78.1090	0.00		EX:AWRE-JED
1976140	1976/05/19	02:57:00.2	49.7890	78.0190	0.00		EX:AWRE-JED
1976193	1976/07/11	00:30:00.5	-21.8630	-138.7860	0.00	4.93	EX:AWE-JED
1976205	1976/07/23	02:33:00.2	49.7740	78.0460	0.00		EX:AWRE-JED
1976291	1976/10/17	04:59:58.8	41.7080	88.3700			EX:GUPTA-JED
1976304	1976/10/30	04:57:00.2	49.8250	78.0220	0.00		EX:AWRE-JED
1976322	1976/11/17	06:00:12.7	40.6960	89.6270			EX:GUPTA-JED
1976365	1976/12/30	03:57:00.3	49.7950	78.0300	0.00		EX:AWRE-JED

**GT5**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1977050	1977/02/19	23:30:00.4	-21.8400	-138.8480	0.00	5.02	EX:AWE-JED
1977078	1977/03/19	23:00:59.9	-21.8870	-138.9200	0.00	5.92	EX:AWE-JED
1977088	1977/03/29	03:57:00.0	49.7810	78.0420	0.00		EX:AWRE-JED
1977115	1977/04/25	04:07:00.2	49.8110	78.1070	0.00		EX:AWRE-JED
1977187	1977/07/06	23:00:00.0	-21.7830	-138.9600	0.00	4.81	EX:AWE-JED
1977211	1977/07/30	01:57:00.1	49.7540	78.0570	0.00		EX:AWRE-JED
1977229	1977/08/17	04:27:00.0	49.8170	78.1280	0.00		EX:AWRE-JED
1977302	1977/10/29	03:07:00.0	49.8270	78.0910	0.00		EX:AWRE-JED
1977328	1977/11/24	16:59:59.9	-21.8840	-138.8860	0.00	5.86	EX:AWE-JED
1977360	1977/12/26	04:03:00.2	49.8430	78.0700	0.00		EX:AWRE-JED
1978078	1978/03/19	03:46:59.8	49.9450	77.7040	0.00		EX:AWRE-JED
1978081	1978/03/22	17:30:00.5	-21.7050	-138.9340	0.00	4.73	EX:AWE-JED
1978085	1978/03/26	03:57:00.0	49.7660	78.0080	0.00		EX:AWRE-JED
1978112	1978/04/22	03:07:00.0	49.7560	78.1400	0.00		EX:AWRE-JED
1978149	1978/05/29	04:56:59.9	49.7620	78.0920	0.00		EX:AWRE-JED
1978209	1978/07/28	02:46:59.9	49.7520	78.1000	0.00		EX:AWRE-JED
1978241	1978/08/29	02:37:00.0	49.8070	78.1070	0.00		EX:AWRE-JED
1978263	1978/09/20	05:03:00.0	49.8480	78.2120	0.00		EX:AWRE-JED
1978287	1978/10/14	00:59:58.0	41.5230	88.7220			EX:GUPTA-JED
1978288	1978/10/15	05:37:00.1	49.7460	78.1210	0.00		EX:AWRE-JED
1978304	1978/10/31	04:17:00.2	49.8030	78.0990	0.00		EX:AWRE-JED
1978333	1978/11/29	04:33:00.2	49.8080	77.9990	0.00		EX:AWRE-JED
1978334	1978/11/30	17:32:00.0	-21.8680	-138.9500	0.00	5.86	EX:AWE-JED
1978348	1978/12/14	04:43:00.0	49.8050	78.1030	0.00		EX:AWRE-JED
1978353	1978/12/19	16:57:01.5	-21.7680	-138.9340	0.00	5.01	EX:AWE-JED
1978354	1978/12/20	04:33:00.0	49.8500	78.0470	0.00		EX:AWRE-JED
1979047	1979/02/16	04:04:00.5	49.9740	77.6680	0.00		EX:AWRE-JED
1979083	1979/03/24	16:28:00.4	-21.8060	-138.9330	0.00	4.93	EX:AWE-JED
1979094	1979/04/04	18:07:00.5	-21.8500	-138.7020	0.00	4.69	EX:AWE-JED
1979126	1979/05/06	03:17:00.1	49.7700	78.0080	0.00		EX:AWRE-JED
1979151	1979/05/31	05:55:00.1	49.8300	78.0870	0.00		EX:AWRE-JED
1979169	1979/06/18	23:27:00.7	-21.8100	-138.8090	0.00	4.71	EX:AWE-JED
1979180	1979/06/29	18:56:00.2	-21.8180	-138.9030	0.00	5.21	EX:AWE-JED
1979199	1979/07/18	03:17:04.9	49.9190	77.8120	0.00		EX:AWRE-JED
1979206	1979/07/25	17:57:00.0	-21.8800	-138.9400	0.00	6.11	EX:AWE-JED
1979209	1979/07/28	19:56:00.3	-21.8090	-138.8120	0.00	4.73	EX:AWE-JED
1979270	1979/09/27	04:13:00.0	49.7570	78.0970	0.00		EX:AWRE-JED
1979291	1979/10/18	04:17:00.1	49.8290	78.1040	0.00		EX:AWRE-JED
1979334	1979/11/30	04:53:00.6	49.7810	78.1040	0.00		EX:AWRE-JED
1979355	1979/12/21	04:42:00.1	49.7950	78.1270	0.00		EX:AWRE-JED
1980083	1980/03/23	19:37:00.0	-21.8610	-138.9390	0.00	5.63	EX:AWE-JED
1980092	1980/04/01	19:31:00.2	-21.8450	-138.7580	0.00	5.05	EX:AWE-JED
1980095	1980/04/04	05:32:59.8	50.0000	77.8230	0.00		EX:AWRE-JED

**GT5**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1980095	1980/04/04	18:33:00.1	-21.9210	-138.7990	0.00	4.30	EX:AWE-JED
1980101	1980/04/10	04:07:00.2	49.7960	78.0680	0.00		EX:AWRE-JED
1980143	1980/05/22	03:57:00.1	49.7800	78.0370	0.00		EX:AWRE-JED
1980168	1980/06/16	18:27:00.0	-21.8700	-138.8990	0.00	5.30	EX:AWE-JED
1980188	1980/07/06	17:27:00.5	-21.8490	-138.8480	0.00	4.54	EX:AWE-JED
1980201	1980/07/19	23:47:00.0	-21.8610	-138.9340	0.00	5.73	EX:AWE-JED
1980213	1980/07/31	03:33:00.1	49.8030	78.1050	0.00		EX:AWRE-JED
1980269	1980/09/25	06:21:13.1	49.8260	78.0710	0.00		EX:AWRE-JED
1980290	1980/10/16	04:30:29.7	40.7190	89.6510			EX:GUPTA-JED
1980338	1980/12/03	17:33:00.0	-21.8750	-138.9390	0.00	5.58	EX:AWE-JED
1980361	1980/12/26	04:07:09.3	49.8630	78.1190	0.00		EX:AWRE-JED
1981087	1981/03/28	17:23:00.6	-21.7900	-138.6780	0.00	4.75	EX:AWE-JED
1981100	1981/04/10	17:57:00.5	-21.7950	-138.9460	0.00	4.76	EX:AWE-JED
1981181	1981/06/30	01:57:15.3	49.7610	78.0710	0.00		EX:AWRE-JED
1981189	1981/07/08	22:23:00.3	-21.7910	-139.0460	0.00	5.14	EX:AWE-JED
1981198	1981/07/17	02:37:18.1	49.8000	78.1260	0.00		EX:AWRE-JED
1981215	1981/08/03	18:33:00.0	-21.8240	-138.9030	0.00	5.09	EX:AWE-JED
1981226	1981/08/14	02:27:15.2	49.7810	78.0770	0.00		EX:AWRE-JED
1981315	1981/11/11	17:07:00.2	-21.8560	-138.9540	0.00	4.71	EX:AWE-JED
1981324	1981/11/20	04:57:05.1	49.7460	78.1200	0.00		EX:AWRE-JED
1981339	1981/12/05	16:58:01.1	-21.6850	-138.9330	0.00	4.68	EX:AWE-JED
1981342	1981/12/08	16:47:00.2	-21.7970	-138.9270	0.00	5.14	EX:AWE-JED
1981356	1981/12/22	04:31:05.3	49.8210	78.1070	0.00		EX:AWRE-JED
1982050	1982/02/19	03:56:13.4	49.8060	78.0290	0.00		EX:AWRE-JED
1982079	1982/03/20	17:03:00.2	-21.8460	-138.8680	0.00	4.96	EX:AWE-JED
1982176	1982/06/25	02:03:07.2	49.8010	78.0890	0.00		EX:AWRE-JED
1982182	1982/07/01	17:02:00.2	-21.7690	-138.9460	0.00	5.08	EX:AWE-JED
1982206	1982/07/25	18:02:00.0	-21.8360	-138.8960	0.00	5.60	EX:AWE-JED
1982235	1982/08/23	02:43:06.7	49.7580	78.0440	0.00		EX:AWRE-JED
1982264	1982/09/21	02:57:03.2	49.7850	78.1210	0.00		EX:AWRE-JED
1982359	1982/12/25	04:23:08.4	49.7990	78.0370	0.00		EX:AWRE-JED
1983089	1983/03/30	04:17:10.2	49.7920	78.0290	0.00		EX:AWRE-JED
1983102	1983/04/12	03:41:08.3	49.8150	78.0760	0.00		EX:AWRE-JED
1983109	1983/04/19	18:53:00.2	-21.8190	-138.8720	0.00	5.70	EX:AWE-JED
1983124	1983/05/04	04:59:57.8	41.6790	88.3680			EX:GUPTA-JED
1983145	1983/05/25	17:31:00.1	-21.8610	-138.9170	0.00	5.87	EX:AWE-JED
1983150	1983/05/30	03:33:47.0	49.7360	78.1200	0.00		EX:AWRE-JED
1983175	1983/06/24	02:56:13.9	49.7570	78.0390	0.00		EX:AWRE-JED
1983179	1983/06/28	17:46:00.2	-21.7670	-138.8710	0.00	5.32	EX:AWE-JED
1983216	1983/08/04	17:14:00.2	-21.8350	-138.8290	0.00	5.13	EX:AWE-JED
1983254	1983/09/11	06:33:13.1	49.8200	78.1180	0.00		EX:AWRE-JED
1983333	1983/11/29	02:19:08.8	49.7390	78.1050	0.00		EX:AWRE-JED
1983341	1983/12/07	17:28:00.3	-21.8290	-138.9280	0.00	4.89	EX:AWE-JED

**GT5**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1983360	1983/12/26	04:29:09.3	49.8040	78.0980	0.00		EX:AWRE-JED
1984106	1984/04/15	03:17:11.5	49.7490	78.1010	0.00		EX:AWRE-JED
1984133	1984/05/12	17:31:00.0	-21.8630	-138.9010	0.00	5.57	EX:AWE-JED
1984168	1984/06/16	17:44:00.0	-21.8490	-138.8800	0.00	5.28	EX:AWE-JED
1984253	1984/09/09	02:59:08.9	49.8090	78.0720	0.00		EX:AWRE-JED
1984292	1984/10/18	04:57:08.3	49.7750	78.1330	0.00		EX:AWRE-JED
1984301	1984/10/27	17:16:00.4	-22.0640	-138.4770	0.00	4.49	EX:AWE-JED
1984307	1984/11/02	20:45:00.1	-21.8570	-138.9200	0.00	5.64	EX:AWE-JED
1984328	1984/11/23	03:55:07.5	49.8300	78.0730	0.00		EX:AWRE-JED
1984341	1984/12/06	17:29:00.2	-21.8370	-138.8900	0.00	5.56	EX:AWE-JED
1984354	1984/12/19	05:59:58.3	41.7370	88.4250			EX:GUPTA-JED
1985120	1985/04/30	17:29:00.6	-21.8290	-138.9520	0.00	4.51	EX:AWE-JED
1985128	1985/05/08	20:28:00.2	-21.8310	-138.9810	0.00	5.64	EX:AWE-JED
1985154	1985/06/03	17:30:00.6	-21.8160	-138.8970	0.00	4.83	EX:AWE-JED
1985206	1985/07/25	03:11:09.2	49.8360	77.9980	0.00		EX:AWRE-JED
1985299	1985/10/26	16:35:00.2	-21.8490	-138.8150	0.00	5.30	EX:AWE-JED
1985328	1985/11/24	16:01:00.7	-21.8020	-138.7810	0.00	4.55	EX:AWE-JED
1985330	1985/11/26	17:42:00.1	-21.8560	-138.8990	0.00	5.76	EX:AWE-JED
1986116	1986/04/26	17:02:00.7	-21.7250	-138.9410	0.00	4.45	EX:AWE-JED
1986150	1986/05/30	17:25:00.1	-21.8620	-138.9490	0.00	5.58	EX:AWE-JED
1986316	1986/11/12	17:02:00.3	-21.8430	-138.9270	0.00	5.28	EX:AWE-JED
1986344	1986/12/10	17:15:00.2	-21.8330	-138.8920	0.00	5.23	EX:AWE-JED
1987057	1987/02/26	04:58:24.3	49.8440	78.0880	0.00		EX:AWRE-JED
1987125	1987/05/05	16:58:01.3	-21.7050	-138.5810	0.00	4.55	EX:AWE-JED
1987126	1987/05/06	04:02:08.1	49.7770	77.9840	0.00		EX:AWRE-JED
1987140	1987/05/20	17:05:00.1	-21.8500	-138.9130	0.00	5.51	EX:AWE-JED
1987156	1987/06/05	04:59:58.3	41.5180	88.7130			EX:GUPTA-JED
1987157	1987/06/06	02:37:09.3	49.8370	78.0650	0.00		EX:AWRE-JED
1987157	1987/06/06	18:00:00.7	-21.7690	-138.8740	0.00	4.40	EX:AWE-JED
1987172	1987/06/21	17:55:00.1	-21.8650	-138.8910	0.00	5.10	EX:AWE-JED
1987198	1987/07/17	01:17:09.2	49.7690	78.0350	0.00		EX:AWRE-JED
1987261	1987/09/18	02:32:10.0	49.9760	78.0240	0.00		EX:AWRE-JED
1987289	1987/10/16	06:06:07.0	49.8020	78.1400	0.00		EX:AWRE-JED
1987296	1987/10/23	16:50:00.3	-21.8450	-138.9070	0.00	5.54	EX:AWE-JED
1987309	1987/11/05	17:30:00.4	-21.7910	-138.8740	0.00	5.36	EX:AWE-JED
1987323	1987/11/19	16:31:00.2	-21.8450	-138.9410	0.00	5.74	EX:AWE-JED
1987354	1987/12/20	02:55:09.1	49.7740	77.9750	0.00		EX:AWRE-JED
1988037	1988/02/06	04:19:09.1	49.7870	77.9750	0.00		EX:AWRE-JED
1988113	1988/04/22	09:30:09.4	49.8240	78.1020	0.00		EX:AWRE-JED
1988132	1988/05/11	17:00:00.3	-21.8330	-138.9450	0.00	5.27	EX:AWE-JED
1988146	1988/05/25	17:01:00.1	-21.8450	-138.9610	0.00	5.50	EX:AWE-JED
1988175	1988/06/23	17:31:00.3	-21.8460	-138.9110	0.00	5.18	EX:AWE-JED
1988273	1988/09/29	06:59:58.0	41.7680	88.3800			EX:GUPTA-JED

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1988292	1988/10/18	03:40:09.2	49.8020	78.0020	0.00		EX:AWRE-JED
1988310	1988/11/05	16:30:00.4	-21.7930	-138.9870	0.00	5.30	EX:AWE-JED
1988328	1988/11/23	03:57:09.0	49.7650	78.0290	0.00		EX:AWRE-JED
1988328	1988/11/23	17:01:00.3	-21.8350	-138.9540	0.00	5.29	EX:AWE-JED
1988335	1988/11/30	17:55:00.0	-22.2330	-138.7400	0.00	5.58	EX:AWE-JED
1989048	1989/02/17	04:01:09.2	49.8490	78.0640	0.00		EX:AWRE-JED
1989131	1989/05/11	16:45:00.5	-21.8120	-138.8840	0.00	5.16	EX:AWE-JED
1989154	1989/06/03	17:30:00.2	-21.8420	-138.9220	0.00	5.16	EX:AWE-JED
1989161	1989/06/10	17:30:00.1	-22.2170	-138.7210	0.00	5.52	EX:AWE-JED
1989277	1989/10/04	11:30:00.2	49.7510	78.0050	0.00		EX:AWRE-JED
1989297	1989/10/24	16:30:00.2	-21.8520	-138.9120	0.00	5.37	EX:AWE-JED
1989304	1989/10/31	16:57:00.3	-21.7930	-138.8550	0.00	5.30	EX:AWE-JED
1989324	1989/11/20	17:29:00.3	-21.7930	-138.8840	0.00	5.19	EX:AWE-JED
1989331	1989/11/27	17:00:00.0	-22.2510	-138.7220	0.00	5.59	EX:AWE-JED
1990146	1990/05/26	07:59:57.9	41.5690	88.7010			EX:GUPTA-JED
1990228	1990/08/16	04:59:57.7	41.5140	88.7390			EX:GUPTA-JED
1990297	1990/10/24	14:58:00.0	73.3170	54.8030	0.00		EX:JHD
1992142	1992/05/21	04:59:57.5	41.5130	88.7740			EX:GUPTA-JED
1992269	1992/09/25	07:59:58.5	41.7160	88.3360			EX:GUPTA-JED
1995023	1995/01/23	12:04:47.8	63.1200	27.7400	0.00		ISRAELSSON
1995025	1995/01/25	11:48:23.0	63.1200	27.7400	0.00		ISRAELSSON
1995027	1995/01/27	11:46:06.5	63.1200	27.7400	0.00		ISRAELSSON
1995033	1995/02/02	11:47:26.6	63.1200	27.7400	0.00		ISRAELSSON
1995040	1995/02/09	12:01:13.9	63.1200	27.7400	0.00		ISRAELSSON
1995041	1995/02/10	11:54:09.8	63.1200	27.7400	0.00		ISRAELSSON
1995045	1995/02/14	12:00:29.0	63.1200	27.7400	0.00		ISRAELSSON
1995055	1995/02/24	11:55:57.7	63.1200	27.7400	0.00		ISRAELSSON
1995059	1995/02/28	11:45:33.0	63.1200	27.7400	0.00		ISRAELSSON
1995067	1995/03/08	12:05:32.5	63.1200	27.7400	0.00		ISRAELSSON
1995069	1995/03/10	11:57:45.7	63.1200	27.7400	0.00		ISRAELSSON
1995074	1995/03/15	11:48:48.6	63.1200	27.7400	0.00		ISRAELSSON
1995079	1995/03/20	11:46:34.6	63.1200	27.7400	0.00		ISRAELSSON
1995095	1995/04/05	10:53:02.4	63.1200	27.7400	0.00		ISRAELSSON
1995100	1995/04/10	11:12:19.8	63.1200	27.7400	0.00		ISRAELSSON
1995102	1995/04/12	10:59:09.5	63.1200	27.7400	0.00		ISRAELSSON
1995118	1995/04/28	10:45:47.5	63.1200	27.7400	0.00		ISRAELSSON
1995124	1995/05/04	10:53:34.5	63.1200	27.7400	0.00		ISRAELSSON
1995151	1995/05/31	10:44:55.3	63.1200	27.7400	0.00		ISRAELSSON
1995153	1995/06/02	10:44:32.8	63.1200	27.7400	0.00		ISRAELSSON
1995163	1995/06/12	11:07:58.3	63.1200	27.7400	0.00		ISRAELSSON
1995173	1995/06/22	10:44:59.6	63.1200	27.7400	0.00		ISRAELSSON
1995178	1995/06/27	10:46:50.2	63.1200	27.7400	0.00		ISRAELSSON
1995185	1995/07/04	10:45:26.1	63.1200	27.7400	0.00		ISRAELSSON

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1995216	1995/08/04	10:47:04.2	63.1200	27.7400	0.00		ISRAELSSON
1995235	1995/08/23	10:48:28.3	63.1200	27.7400	0.00		ISRAELSSON
1995240	1995/08/28	10:47:19.1	63.1200	27.7400	0.00		ISRAELSSON
1995244	1995/09/01	10:47:01.1	63.1200	27.7400	0.00		ISRAELSSON
1995257	1995/09/14	04:24:02.5	53.7900	86.7100	15.00		REDB-RUS/LDEO
1995261	1995/09/18	10:49:09.9	63.1200	27.7400	0.00		ISRAELSSON
1995270	1995/09/27	11:45:18.9	63.1200	27.7400	0.00		ISRAELSSON
1995278	1995/10/05	11:45:49.6	63.1200	27.7400	0.00		ISRAELSSON
1995284	1995/10/11	11:45:33.8	63.1200	27.7400	0.00		ISRAELSSON
1995291	1995/10/18	11:46:59.1	63.1200	27.7400	0.00		ISRAELSSON
1995303	1995/10/30	11:44:58.9	63.1200	27.7400	0.00		ISRAELSSON
1995311	1995/11/07	11:47:06.9	63.1200	27.7400	0.00		ISRAELSSON
1995317	1995/11/13	11:44:34.0	63.1200	27.7400	0.00		ISRAELSSON
1995326	1995/11/22	11:50:47.0	63.1200	27.7400	0.00		ISRAELSSON
1995328	1995/11/24	11:44:26.7	63.1200	27.7400	0.00		ISRAELSSON
1995331	1995/11/27	11:44:27.1	63.1200	27.7400	0.00		ISRAELSSON
1995342	1995/12/08	11:43:17.5	63.1200	27.7400	0.00		ISRAELSSON
1995342	1995/12/08	12:11:14.6	63.1200	27.7400	0.00		ISRAELSSON
1995345	1995/12/11	11:47:33.8	63.1200	27.7400	0.00		ISRAELSSON
1996007	1996/01/07	14:32:53.0	35.7673	-117.6545	6.50		REDB-DEWEY
1996009	1996/01/09	11:45:32.0	63.1200	27.7400	0.00		ISRAELSSON
1996010	1996/01/10	08:13:59.7	53.6100	91.4000	15.00		RUS/LDEO
1996016	1996/01/16	11:44:33.2	63.1200	27.7400	0.00		ISRAELSSON
1996024	1996/01/24	12:14:29.1	63.1200	27.7400	0.00		ISRAELSSON
1996026	1996/01/26	13:06:02.7	35.7923	-117.6697	5.90		DEWEY
1996029	1996/01/29	11:49:16.5	63.1200	27.7400	0.00		ISRAELSSON
1996035	1996/02/04	06:28:47.6	35.0248	-116.9613	5.10		DEWEY
1996039	1996/02/08	11:49:45.3	63.1200	27.7400	0.00		ISRAELSSON
1996046	1996/02/15	11:44:27.7	63.1200	27.7400	0.00		ISRAELSSON
1996052	1996/02/21	11:49:02.0	63.1200	27.7400	0.00		ISRAELSSON
1996053	1996/02/22	11:43:56.1	63.1200	27.7400	0.00		ISRAELSSON
1996065	1996/03/05	11:52:57.4	63.1200	27.7400	0.00		ISRAELSSON
1996073	1996/03/13	11:48:00.5	63.1200	27.7400	0.00		ISRAELSSON
1996078	1996/03/18	11:53:05.5	63.1200	27.7400	0.00		ISRAELSSON
1996080	1996/03/20	07:37:59.7	34.3655	-118.6122	13.10		DEWEY
1996094	1996/04/03	10:43:43.9	63.1200	27.7400	0.00		ISRAELSSON
1996100	1996/04/09	11:11:36.7	63.1200	27.7400	0.00		ISRAELSSON
1996102	1996/04/11	10:50:31.0	63.1200	27.7400	0.00		ISRAELSSON
1996113	1996/04/22	10:49:38.0	63.1200	27.7400	0.00		ISRAELSSON
1996122	1996/05/01	19:49:56.3	34.3615	-118.7012	14.40		DEWEY
1996124	1996/05/03	10:43:02.1	63.1200	27.7400	0.00		ISRAELSSON
1996129	1996/05/08	08:30:01.9	53.7300	91.0000	15.00		RUS/LDEO
1996134	1996/05/13	10:46:19.4	63.1200	27.7400	0.00		ISRAELSSON

**GT5**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>source</b>
1996144	1996/05/23	10:48:05.4	63.1200	27.7400	0.00		ISRAELSSON
1996145	1996/05/24	10:45:15.9	63.1200	27.7400	0.00		ISRAELSSON
1996156	1996/06/04	10:45:37.4	63.1200	27.7400	0.00		ISRAELSSON
1996158	1996/06/06	10:49:35.5	63.1200	27.7400	0.00		ISRAELSSON
1996171	1996/06/19	10:45:46.9	63.1200	27.7400	0.00		ISRAELSSON
1996179	1996/06/27	10:45:10.0	63.1200	27.7400	0.00		ISRAELSSON
1996206	1996/07/24	10:46:34.7	63.1200	27.7400	0.00		ISRAELSSON
1996212	1996/07/30	10:54:31.1	63.1200	27.7400	0.00		ISRAELSSON
1996219	1996/08/06	11:00:59.5	63.1200	27.7400	0.00		ISRAELSSON
1996226	1996/08/13	10:44:56.0	63.1200	27.7400	0.00		ISRAELSSON
1996233	1996/08/20	10:46:36.1	63.1200	27.7400	0.00		ISRAELSSON
1996240	1996/08/27	10:46:58.7	63.1200	27.7400	0.00		ISRAELSSON
1996242	1996/08/29	10:56:50.3	63.1200	27.7400	0.00		ISRAELSSON
1996254	1996/09/10	10:43:04.9	63.1200	27.7400	0.00		ISRAELSSON
1996262	1996/09/18	10:44:29.4	63.1200	27.7400	0.00		ISRAELSSON
1996286	1996/10/12	04:25:47.1	38.7313	-122.7273	0.00		DEWEY
1996289	1996/10/15	10:47:09.0	63.1200	27.7400	0.00		ISRAELSSON
1996294	1996/10/20	00:17:33.3	34.6042	-116.2867	5.60		DEWEY
1996363	1996/12/28	22:41:20.1	33.7637	-116.8892	11.90		DEWEY
1997001	1997/01/01	22:27:01.0	46.7633	-120.4708	19.40		DEWEY
1997002	1997/01/02	22:36:09.3	39.0122	-123.0698	1.00		DEWEY
1997013	1997/01/13	11:29:37.5	33.4472	-116.9033	10.90		DEWEY
1997041	1997/02/10	23:26:29.1	37.5525	-118.8603	5.30		DEWEY
1997077	1997/03/18	16:19:23.2	34.9688	-116.8262	3.90		DEWEY
1997086	1997/03/27	15:39:49.7	38.1627	-121.9540	21.20		DEWEY
1997086	1997/03/27	22:47:53.7	38.1632	-121.9598	21.50		DEWEY
1997091	1997/04/01	01:36:55.5	38.1678	-121.9588	21.70		DEWEY
1997116	1997/04/26	10:37:30.6	34.3782	-118.6660	15.00		REDB-DEWEY
1997126	1997/05/06	19:12:53.7	35.4500	-118.4258	5.80		DEWEY
1997178	1997/06/27	20:17:45.7	35.4438	-118.3092	6.10		DEWEY
1997185	1997/07/04	10:45:38.5	47.7307	-120.0030	9.00		DEWEY
1997207	1997/07/26	03:14:55.8	33.3990	-116.3652	12.30		REDB-DEWEY
1997218	1997/08/06	11:04:37.0	36.9823	-121.4688	7.50		DEWEY
1997271	1997/09/28	15:57:22.8	34.3022	-116.4595	6.20		REDB-DEWEY
1997306	1997/11/02	08:51:53.6	37.8482	-118.2165	6.10		REDB-DEWEY
1997344	1997/12/10	05:12:02.7	37.6285	-118.8987	2.40		DEWEY
1998013	1998/01/13	01:09:34.8	33.2383	-115.5757	3.60		DEWEY
1998028	1998/01/28	03:29:44.2	19.4187	-155.3163	4.00		DEWEY
1998114	1998/04/24	16:17:26.7	38.4627	-118.4185	2.00		DEWEY
1998121	1998/05/01	21:02:37.7	34.3602	-118.6645	13.40		DEWEY
1998185	1998/07/04	11:15:48.1	34.6365	-116.6850	0.00		DEWEY
1998191	1998/07/10	21:29:13.8	33.2253	-116.1023	12.30		DEWEY
1998202	1998/07/21	08:38:50.0	40.6175	-122.4048	25.40		DEWEY

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jdate	date	time	latitude	longitude	depth	mb	source
1998274	1998/10/01	03:39:35.2	40.6143	-122.3823	23.60		DEWEY
1998274	1998/10/01	18:18:16.0	34.1113	-116.9188	6.10		DEWEY
1998300	1998/10/27	01:08:40.5	34.3175	-116.8498	5.90		DEWEY
1998330	1998/11/26	19:49:53.9	40.6172	-122.3943	25.00		REDB-DEWEY
1999185	1999/07/04	23:32:47.0	67.8650	34.4540	0.00	0.00	NORSAR
1999229	1999/08/17	04:44:36.0	67.8650	34.4540	0.00	0.00	NORSAR
1999229	1999/08/17	05:46:55.0	67.8650	34.4540	0.00	0.00	NORSAR
1999262	1999/09/19	03:36:23.8	18.6800	98.8940	0.00		MISC

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jdate	date	time	latitude	longitude	depth	mb	source
1999234	1999/08/22	02:08:47.8	69.2760	23.6850			NORSAR

**GT10**

jdate	date	time	latitude	longitude	depth	mb	nsta	gap	mindist	source
1995001	1995/01/01	11:30:04.8	60.0370	-153.2680	118.40	4.80	192	36	0.07	NEIC/EDR
1995006	1995/01/06	00:12:02.5	38.7680	-119.7190	1.10	4.20	102	23	0.76	NEIC/EDR
1995006	1995/01/06	19:45:42.6	41.9650	19.5010	29.00	4.00	125	96	0.09	NEIC/EDR
1995007	1995/01/07	12:34:38.8	36.3470	139.8920	69.40	4.90	141	63	0.27	NEIC/EDR
1995007	1995/01/07	19:28:17.5	36.3600	139.9580	77.10	4.50	44	80	0.23	NEIC/EDR
1995009	1995/01/09	19:14:26.0	46.6300	-81.3800						MCLAUGHLIN
1995011	1995/01/11	03:54:57.0	46.6300	-81.3800						MCLAUGHLIN
1995016	1995/01/16	10:25:06.2	61.5390	-149.9080	45.10	4.30	124	35	0.11	NEIC/EDR
1995017	1995/01/17	10:50:29.0	46.5000	-82.6000						MCLAUGHLIN
1995023	1995/01/23	17:34:59.3	38.2230	22.0580	5.00	4.10	30	81	0.83	NEIC/EDR
1995028	1995/01/28	06:26:21.7	44.4990	-114.7830	5.00	4.30	110	20	1.26	NEIC/EDR
1995029	1995/01/29	03:11:22.7	47.3880	-122.3650	17.20	5.10				REDB-NEIC/EDR
1995030	1995/01/30	18:27:03.2	39.3300	21.5070	41.90	4.30	104	99	0.71	NEIC/EDR
1995031	1995/01/31	02:38:20.7	38.7970	20.4880	5.00	4.10	32	153	0.62	NEIC/EDR
1995031	1995/01/31	03:38:09.6	38.8300	20.5720	5.00	4.00	46	113	0.65	NEIC/EDR
1995031	1995/01/31	05:55:51.6	15.2960	-91.7460	161.40	4.60				REDB-NEIC/EDR
1995039	1995/02/08	18:40:25.4	4.1040	-76.6220	73.50	6.30	568	24	0.23	NEIC/EDR
1995039	1995/02/08	21:24:53.5	40.8220	27.7740	23.30	4.50	84	30	0.48	NEIC/EDR
1995041	1995/02/10	08:15:48.3	37.6710	15.0740	31.10	4.20	58	99	0.40	NEIC/EDR
1995043	1995/02/12	20:13:37.2	59.4360	-153.1270	110.50	5.50				REDB-NEIC/EDR
1995044	1995/02/13	13:16:34.4	40.7190	22.6790	10.00	4.60	118	27	0.23	NEIC/EDR
1995048	1995/02/17	03:26:35.8	61.7930	-148.4460	6.30	5.00	211	26	0.06	NEIC/EDR
1995048	1995/02/17	10:47:18.0	47.4750	-65.8900						MCLAUGHLIN
1995048	1995/02/17	19:00:56.0	62.9570	-150.8090	109.90	4.20	116	39	0.54	NEIC/EDR
1995061	1995/03/02	09:47:56.0	46.4600	-81.1800						MCLAUGHLIN
1995063	1995/03/04	23:23:40.7	1.2820	-77.3070	5.00	4.40	49	87	0.09	NEIC/EDR
1995070	1995/03/11	03:25:44.0	46.4600	-81.1800						MCLAUGHLIN
1995070	1995/03/11	10:29:32.0	46.4600	-81.1800						MCLAUGHLIN
1995070	1995/03/11	14:54:06.0	46.4600	-81.1800						MCLAUGHLIN
1995074	1995/03/15	16:16:55.3	59.9880	-153.1000	113.50	4.00	100	63	0.02	NEIC/EDR
1995075	1995/03/16	03:12:27.8	40.8160	20.8030	10.00	4.30	33	88	0.29	NEIC/EDR
1995075	1995/03/16	06:25:10.9	38.6560	20.3450	33.00	4.50	113	67	0.51	NEIC/EDR
1995079	1995/03/20	10:05:28.7	58.8660	-152.4190	54.10	4.60	194	57	0.26	NEIC/EDR
1995079	1995/03/20	13:35:19.0	46.4600	-81.1800						MCLAUGHLIN
1995089	1995/03/30	21:21:53.9	45.5510	26.4040	129.20	4.20	20	51	0.33	NEIC/EDR
1995093	1995/04/03	07:15:51.4	61.0520	-152.7080	157.30	4.20	136	55	0.23	NEIC/EDR
1995094	1995/04/04	17:10:08.6	40.5830	23.6500	10.00	4.30	110	29	0.26	NEIC/EDR
1995100	1995/04/10	13:44:00.5	59.7890	-151.9900	59.20	4.50	100	35	0.22	NEIC/EDR
1995101	1995/04/11	12:06:50.4	37.5780	13.8460	33.00	4.20	41	166	0.18	NEIC/EDR
1995102	1995/04/12	16:44:57.4	59.7690	-153.0040	110.60	4.30	77	50	0.16	NEIC/EDR
1995104	1995/04/14	06:59:52.7	60.0670	-152.6810	105.20	4.10	108	33	0.14	NEIC/EDR
1995107	1995/04/17	02:45:47.0	46.4600	-81.1800						MCLAUGHLIN

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jdate	date	time	latitude	longitude	depth	mb	nsta	gap	mindist	source
1995107	1995/04/17	03:26:17.8	39.6050	17.0780	10.00	4.10	70	81	0.94	NEIC/EDR
1995107	1995/04/17	05:18:46.8	60.2480	-153.0700	124.50	4.20	138	75	0.18	NEIC/EDR
1995108	1995/04/18	05:36:02.0	40.8560	27.7070	10.00	4.50	80	67	0.52	NEIC/EDR
1995111	1995/04/21	08:02:56.6	43.7670	7.5550	25.70	4.40	130	60	0.13	NEIC/EDR
1995113	1995/04/23	08:41:36.6	36.6030	-121.2010	7.30	4.40	181	55	0.09	NEIC/EDR
1995115	1995/04/25	10:38:03.5	58.9990	-150.0800	55.40	4.50	87	113	0.79	NEIC/EDR
1995121	1995/05/01	03:53:07.6	61.5680	-150.8680	64.70	4.40	198	29	0.48	NEIC/EDR
1995121	1995/05/01	12:36:14.5	58.6300	-153.6560	71.60	4.10	106	87	0.30	NEIC/EDR
1995122	1995/05/02	22:34:45.0	46.4600	-81.1800						MCLAUGHLIN
1995123	1995/05/03	15:39:55.3	40.5990	23.7370	10.00	4.10	95	39	0.32	NEIC/EDR
1995123	1995/05/03	18:12:40.0	46.5000	-82.6000						MCLAUGHLIN
1995123	1995/05/03	21:36:52.9	40.5810	23.6860	10.00	4.60	164	38	0.28	NEIC/EDR
1995123	1995/05/03	21:43:25.7	40.5950	23.6760	10.00	4.70	186	25	0.28	NEIC/EDR
1995124	1995/05/04	00:34:09.2	40.5720	23.6170	10.00	5.10	280	24	0.24	NEIC/EDR
1995124	1995/05/04	15:26:58.8	60.4570	-151.4430	48.60	4.30	137	44	0.30	NEIC/EDR
1995127	1995/05/07	11:03:33.0	33.9050	-116.2880	10.70	4.40				REDB-NEIC/EDR
1995137	1995/05/17	02:29:13.7	39.8100	-122.7090	12.70	4.60				REDB-NEIC/EDR
1995139	1995/05/19	07:19:19.4	61.0030	-151.2410	67.60	4.40	133	37	0.26	NEIC/EDR
1995140	1995/05/20	12:48:48.2	46.8810	-121.9420	13.40	4.20	120	27	0.07	NEIC/EDR
1995141	1995/05/21	04:04:23.1	40.0330	21.6200	10.00	4.60	68	40	0.30	NEIC/EDR
1995144	1995/05/24	05:22:43.5	40.2010	21.5810	10.00	4.40	32	50	0.18	NEIC/EDR
1995144	1995/05/24	06:24:08.5	39.9970	21.5640	5.00	4.20	48	89	0.35	NEIC/EDR
1995144	1995/05/24	11:02:12.9	61.0070	-150.1190	41.80	5.30	394	22	0.24	NEIC/EDR
1995144	1995/05/24	11:24:10.0	61.0240	-150.0800	41.20	4.50	155	21	0.21	NEIC/EDR
1995144	1995/05/24	12:02:00.2	61.0080	-150.0410	43.10	4.30	129	28	0.22	NEIC/EDR
1995144	1995/05/24	14:45:22.7	39.9790	21.6070	10.00	4.10	48	54	0.35	NEIC/EDR
1995144	1995/05/24	16:22:33.5	61.0120	-150.0720	39.60	4.30	119	27	0.22	NEIC/EDR
1995144	1995/05/24	17:34:26.1	40.0550	21.6140	5.00	4.00	41	73	0.28	NEIC/EDR
1995144	1995/05/24	20:45:36.0	46.6470	6.3150	5.80	4.40	96	45	0.72	NEIC/EDR
1995148	1995/05/28	05:34:29.7	61.0140	-150.0560	42.20	4.30	104	27	0.22	NEIC/EDR
1995148	1995/05/28	19:56:42.3	38.4170	21.9860	27.70	4.60				REDB-NEIC/EDR
1995149	1995/05/29	08:42:31.0	46.5000	-82.6000						MCLAUGHLIN
1995150	1995/05/30	19:40:22.4	60.0880	-152.8530	105.90	4.70	109	46	0.05	NEIC/EDR
1995155	1995/06/04	02:14:52.0	46.6300	-81.3800						MCLAUGHLIN
1995155	1995/06/04	22:01:07.5	60.0970	-152.9130	117.40	4.20	101	56	0.03	NEIC/EDR
1995156	1995/06/05	05:20:19.0	39.3670	20.2460	10.00	4.60	172	42	0.18	NEIC/EDR
1995157	1995/06/06	04:04:58.2	60.2610	-146.4240	15.00	5.30				REDB-NEIC/EDR
1995157	1995/06/06	04:35:59.7	40.1750	21.6340	20.00	4.20	117	40	0.17	NEIC/EDR
1995157	1995/06/06	12:27:55.0	46.4600	-81.1800						MCLAUGHLIN
1995160	1995/06/09	15:20:48.3	40.1950	21.6450	10.00	4.00	53	36	0.15	NEIC/EDR
1995162	1995/06/11	07:33:36.0	46.5000	-82.6000						MCLAUGHLIN
1995162	1995/06/11	13:24:05.4	60.6160	-142.6290	14.50	4.10	65	113	0.17	NEIC/EDR
1995162	1995/06/11	18:51:46.7	40.0000	21.6040	10.00	4.80	184	28	0.33	NEIC/EDR

**GT10**

<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>nsta</b>	<b>gap</b>	<b>mindist</b>	<b>source</b>
1995163	1995/06/12	17:23:58.0	60.9530	-138.4200	5.00	5.10				REDB-NEIC/EDR
1995166	1995/06/15	00:15:48.7	38.4010	22.2830	14.20	6.10				REDB-NEIC/EDR
1995166	1995/06/15	01:16:21.0	38.3950	22.2290	10.00	4.20	25	80	0.62	NEIC/EDR
1995166	1995/06/15	04:51:18.5	38.2830	22.3470	10.00	4.60	171	36	0.74	NEIC/EDR
1995166	1995/06/15	10:41:50.0	38.3390	22.1460	10.00	4.00	30	74	0.63	NEIC/EDR
1995168	1995/06/17	06:14:53.3	40.0090	21.5940	10.00	4.30	37	62	0.33	NEIC/EDR
1995168	1995/06/17	14:20:28.4	38.4550	22.3870	10.00	4.00	52	63	0.65	NEIC/EDR
1995169	1995/06/18	04:28:23.7	38.4290	22.2590	10.00	4.30	79	68	0.60	NEIC/EDR
1995170	1995/06/19	14:45:39.5	58.9920	-151.2060	33.00	5.00				REDB-NEIC/EDR
1995171	1995/06/20	01:54:43.4	50.4850	3.9010	20.00	4.30	170	36	0.25	NEIC/EDR
1995173	1995/06/22	04:26:58.3	59.1250	-152.3630	72.80	4.10	125	61	0.47	NEIC/EDR
1995173	1995/06/22	11:53:04.9	63.2690	-151.1800	9.10	4.30	130	28	0.76	NEIC/EDR
1995174	1995/06/23	06:57:28.0	47.4750	-65.8900						MCLAUGHLIN
1995176	1995/06/25	01:05:32.4	38.2960	21.7610	23.80	4.10	49	77	0.62	NEIC/EDR
1995177	1995/06/26	08:40:28.9	34.3940	-118.6690	13.30	4.70				REDB-NEIC/EDR
1995185	1995/07/04	06:38:14.0	-27.9460	26.7180	5.00	4.20	17	64	0.88	NEIC/EDR
1995188	1995/07/07	21:44:40.0	47.4750	-65.8900						MCLAUGHLIN
1995194	1995/07/13	12:13:26.0	41.6000	20.7930	13.50	4.60	66	79	0.49	NEIC/EDR
1995195	1995/07/14	18:04:45.3	59.6160	-152.9700	101.30	4.10	119	58	0.14	NEIC/EDR
1995195	1995/07/14	21:19:39.0	40.0340	21.7000	10.00	4.40	62	43	0.28	NEIC/EDR
1995196	1995/07/15	02:42:56.8	2.6720	99.0680	165.30	5.20				REDB-NEIC/EDR
1995196	1995/07/15	06:45:22.6	42.7460	17.4130	10.00	4.70	201	69	0.83	NEIC/EDR
1995197	1995/07/16	03:15:04.1	42.7760	17.4930	10.00	4.20	120	26	0.78	NEIC/EDR
1995201	1995/07/20	00:12:05.3	62.1840	-148.9980	40.30	4.40	115	25	0.41	NEIC/EDR
1995205	1995/07/24	16:58:56.6	37.8990	15.4090	15.60	4.00	17	134	0.26	NEIC/EDR
1995208	1995/07/27	22:07:40.9	61.4550	-146.6500	28.70	4.80	210	23	0.35	NEIC/EDR
1995216	1995/08/04	01:38:57.0	46.4900	-81.0700						MCLAUGHLIN
1995218	1995/08/06	04:25:49.0	46.4600	-81.1800						MCLAUGHLIN
1995220	1995/08/08	07:53:44.5	39.7770	16.4800	22.70	4.20	93	57	1.19	NEIC/EDR
1995225	1995/08/13	05:17:29.5	38.0930	22.8640	26.00	4.70	196	40	0.68	NEIC/EDR
1995226	1995/08/14	17:57:03.1	40.1750	21.6860	10.00	4.10	47	66	0.15	NEIC/EDR
1995227	1995/08/15	21:16:46.7	59.9570	-153.1150	126.30	4.10	117	39	0.10	NEIC/EDR
1995229	1995/08/17	22:39:59.0	35.7760	-117.6620	5.60	5.30				REDB-NEIC/EDR
1995230	1995/08/18	15:39:46.0	46.4600	-81.1800						MCLAUGHLIN
1995232	1995/08/20	06:21:51.0	46.4600	-81.1800						MCLAUGHLIN
1995232	1995/08/20	19:21:22.6	40.2340	21.8140	10.00	4.40	110	59	0.08	NEIC/EDR
1995232	1995/08/20	19:27:51.1	40.2910	21.8000	10.00	4.20	53	50	0.03	NEIC/EDR
1995236	1995/08/24	17:27:34.5	44.1280	10.7560	34.40	4.50				REDB-NEIC/EDR
1995240	1995/08/28	03:16:25.1	44.1690	-110.2500	5.00	4.30				REDB-NEIC/EDR
1995242	1995/08/30	15:54:22.5	35.7960	-117.6400	3.40	4.10	68	38	0.10	NEIC/EDR
1995243	1995/08/31	13:32:01.8	59.3690	-150.9920	41.00	4.10	127	64	0.20	NEIC/EDR
1995244	1995/09/01	06:23:30.1	36.8150	139.3190	12.00	4.50	25	77	0.49	NEIC/EDR
1995246	1995/09/03	13:21:42.9	-30.5240	-68.8990	124.00	4.30	24	146	0.88	NEIC/EDR

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jdate	date	time	latitude	longitude	depth	mb	nsta	gap	mindist	source
1995247	1995/09/04	04:09:24.4	40.1210	21.7520	10.00	4.00	50	32	0.19	NEIC/EDR
1995247	1995/09/04	08:24:42.7	38.0890	21.8770	10.00	4.00	31	57	0.33	NEIC/EDR
1995247	1995/09/04	14:16:16.9	38.5793	-122.7694	0.00	4.57	155	73	0.20	REDB:PIDC_REDB
1995248	1995/09/05	20:27:18.4	34.1990	-116.4390	0.10	4.50	62	40	0.59	NEIC/EDR
1995249	1995/09/06	07:01:28.6	61.6730	-152.0120	105.30	4.30	124	52	0.28	NEIC/EDR
1995250	1995/09/07	10:33:06.2	60.2890	-151.0590	39.70	4.00	123	47	0.27	NEIC/EDR
1995254	1995/09/11	06:06:04.1	59.2610	-151.8370	56.50	4.20	99	72	0.20	NEIC/EDR
1995254	1995/09/11	12:36:50.2	40.6864	140.3029	168.60	4.60	67	40	0.24	REDB:PIDC_REDB
1995257	1995/09/14	01:26:39.4	40.1710	21.5040	10.00	4.30	95	38	0.24	NEIC/EDR
1995259	1995/09/16	07:55:01.9	43.1480	17.6150	10.00	4.50	81	65	0.72	NEIC/EDR
1995259	1995/09/16	19:27:33.8	-31.4110	-67.7180	33.00	4.50	31	65	0.65	NEIC/EDR
1995261	1995/09/18	17:39:09.2	63.6170	-149.7080	123.00	4.50	137	37	0.31	NEIC/EDR
1995263	1995/09/20	12:52:25.5	39.6150	20.5530	10.00	4.00	43	60	0.19	NEIC/EDR
1995263	1995/09/20	23:27:36.3	35.6536	-117.6788	1.19	4.93	216	17	0.17	REDB:PIDC_REDB
1995264	1995/09/21	03:54:19.0	47.4750	-65.8900						MCLAUGHLIN
1995264	1995/09/21	08:46:53.1	39.7290	20.4810	10.00	4.40	81	36	0.23	NEIC/EDR
1995265	1995/09/22	14:47:21.3	38.7132	-118.5579	2.76	4.42	119	20	0.42	REDB:PIDC_REDB
1995265	1995/09/22	21:59:19.9	-33.0020	-70.1800	113.00	4.20	30	64	0.34	NEIC/EDR
1995268	1995/09/25	04:08:37.0	46.4900	-81.0700						MCLAUGHLIN
1995270	1995/09/27	16:44:42.3	36.5770	-121.1750	9.00	4.20	129	37	0.01	NEIC/EDR
1995271	1995/09/28	06:17:29.5	38.1790	21.9220	63.50	4.60				REDB-NEIC/EDR
1995271	1995/09/28	23:44:41.7	42.6250	18.1620	10.00	5.30				REDB-NEIC/EDR
1995278	1995/10/05	06:21:50.8	39.2730	21.6280	33.00	4.10	66	47	0.60	NEIC/EDR
1995278	1995/10/05	08:21:30.0	38.1180	20.2730	20.00	4.70	145	45	0.26	NEIC/EDR
1995279	1995/10/06	02:10:00.4	38.1130	20.2960	10.00	4.20	68	75	0.24	NEIC/EDR
1995279	1995/10/06	05:23:18.5	65.1700	-148.5650	9.10	5.70				REDB-NEIC/EDR
1995279	1995/10/06	12:43:40.0	34.1518	139.1097	5.79	5.03	55	52	0.04	REDB:PIDC_REDB
1995279	1995/10/06	15:48:48.0	65.1070	-148.6090	17.20	4.00	101	65	0.22	NEIC/EDR
1995283	1995/10/10	06:54:24.3	44.1850	9.9582	24.20	4.41	106	48	0.48	REDB:PIDC_REDB
1995283	1995/10/10	15:45:03.6	59.4440	-152.9450	82.20	4.10	134	50	0.23	NEIC/EDR
1995285	1995/10/12	08:59:22.1	38.8420	23.5470	10.00	4.20	70	47	0.88	NEIC/EDR
1995287	1995/10/14	14:39:04.6	38.8630	23.5710	10.00	4.30	104	47	0.90	NEIC/EDR
1995288	1995/10/15	01:43:11.6	35.2100	-3.9470	33.00	4.00	39	70	0.82	NEIC/EDR
1995288	1995/10/15	12:51:12.2	38.5060	21.9750	10.00	4.00	57	59	0.43	NEIC/EDR
1995289	1995/10/16	21:31:10.1	65.1370	-148.5630	13.10	4.10	89	42	0.23	NEIC/EDR
1995289	1995/10/16	23:29:23.8	65.8090	-151.1250	9.20	4.40	116	47	0.80	NEIC/EDR
1995291	1995/10/18	12:42:04.8	35.7420	-117.6310	3.70	4.50	97	32	0.13	NEIC/EDR
1995293	1995/10/20	02:49:42.1	60.0420	-152.2640	65.10	4.40	157	30	0.35	NEIC/EDR
1995298	1995/10/25	01:27:24.9	63.2580	-151.0600	12.70	4.20	93	75	0.30	NEIC/EDR
1995301	1995/10/28	00:22:51.6	19.3450	-155.1110	6.70	4.20	54	132	0.05	NEIC/EDR
1995303	1995/10/30	01:53:11.7	40.0150	21.6670	5.00	4.00	59	71	0.30	NEIC/EDR
1995303	1995/10/30	08:07:12.5	60.9609	-150.1409	50.95	4.53	190	27	0.28	REDB:PIDC_REDB
1995307	1995/11/03	10:01:49.2	58.7450	-149.8310	18.80	4.10	101	125	1.07	NEIC/EDR

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>nsta</b>	<b>gap</b>	<b>mindist</b>	<b>source</b>
1995309	1995/11/05	16:20:42.6	61.0900	-150.9540	51.40	4.10	124	31	0.37	NEIC/EDR
1995311	1995/11/07	00:18:34.9	-31.5330	-69.1350	121.10	4.00	38	101	0.29	NEIC/EDR
1995315	1995/11/11	15:06:56.6	40.0440	21.7060	10.00	4.00	38	48	0.27	NEIC/EDR
1995315	1995/11/11	22:02:24.0	58.0600	-153.5750	69.80	4.20	92	119	0.66	NEIC/EDR
1995317	1995/11/13	13:40:32.9	40.0470	21.7160	10.00	4.20	54	38	0.26	NEIC/EDR
1995319	1995/11/15	20:33:58.5	39.6720	-119.9800	5.00	4.60	109	20	0.90	NEIC/EDR
1995322	1995/11/18	09:07:24.0	64.0905	-147.5438	103.55	4.68	144	18	0.41	REDB:PIDC_REDB
1995323	1995/11/19	01:31:31.0	47.4750	-65.8900						MCLAUGHLIN
1995325	1995/11/21	01:30:27.6	11.0820	-62.1930	84.30	4.60				REDB-NEIC/EDR
1995325	1995/11/21	12:30:06.1	60.1688	-140.8891	6.56	4.34	109	117	0.80	REDB:PIDC_REDB
1995328	1995/11/24	06:18:56.5	-42.9840	171.7930	10.00	5.60				REDB-NEIC/EDR
1995331	1995/11/27	19:35:25.6	-37.7750	176.4010	229.10	4.30	52	54	0.43	NEIC/EDR
1995333	1995/11/29	14:39:17.1	59.3510	-153.4710	116.90	4.30	135	37	0.02	NEIC/EDR
1995334	1995/11/30	11:49:34.0	36.5510	27.1180	134.30	5.20				REDB-NEIC/EDR
1995335	1995/12/01	06:23:14.0	47.4750	-65.8900						MCLAUGHLIN
1995340	1995/12/06	17:57:54.7	28.8620	34.6790	10.00	4.00	33	76	0.39	NEIC/EDR
1995341	1995/12/07	02:56:03.8	62.5510	-149.7120	71.70	4.80	172	34	0.30	NEIC/EDR
1995342	1995/12/08	04:12:38.9	28.9190	34.6510	10.00	4.40	56	63	0.45	NEIC/EDR
1995345	1995/12/11	01:32:06.5	28.8780	34.6900	10.00	5.00				REDB-NEIC/EDR
1995351	1995/12/17	08:22:27.1	38.1650	20.4340	52.20	4.20	102	53	0.82	NEIC/EDR
1995353	1995/12/19	01:15:12.5	62.3760	-151.5600	99.40	4.10	110	49	0.40	NEIC/EDR
1995353	1995/12/19	06:34:29.6	39.6780	20.5180	10.00	4.00	81	41	0.20	NEIC/EDR
1995353	1995/12/19	12:32:48.9	28.8510	34.5720	10.00	4.00	23	143	0.45	NEIC/EDR
1995356	1995/12/22	09:00:34.1	38.7113	-119.5815	3.99	4.43	97	31	0.92	REDB:PIDC_REDB
1995357	1995/12/23	05:39:55.1	38.7810	-119.5270	5.00	4.50	90	31	1.00	NEIC/EDR
1995358	1995/12/24	19:02:07.2	27.5270	86.2650	33.00	4.20	27	76	0.51	NEIC/EDR
1995359	1995/12/25	23:19:29.8	38.7240	22.1710	87.30	4.30	101	37	0.32	NEIC/EDR
1995362	1995/12/28	18:28:00.4	38.7324	-119.6152	0.00	4.49	140	22	0.86	REDB:PIDC_REDB
1995364	1995/12/30	02:07:18.2	63.4144	-150.4960	128.71	5.28	395	13	0.50	REDB:PIDC_REDB
1995364	1995/12/30	12:17:36.0	40.7589	143.4458	22.88	5.28	102	80	1.27	REDB:PIDC_REDB
1995365	1995/12/31	20:22:51.1	10.7730	-62.4750	103.00	4.00	25	107	0.71	NEIC/EDR
1995365	1995/12/31	21:29:48.2	44.4859	10.5694	14.85	4.27	127	32	0.13	REDB:PIDC_REDB
1996005	1996/01/05	18:54:45.0	46.4600	-81.1800						MCLAUGHLIN
1996006	1996/01/06	12:56:00.0	39.2353	-110.6985	6.15	4.25	39	82	0.18	REDB:PIDC_REDB
1996015	1996/01/15	06:15:08.1	53.0000	83.8600	15.00					REDB-RUS/LDEO
1996018	1996/01/18	15:35:34.0	47.4750	-65.8900						MCLAUGHLIN
1996025	1996/01/25	10:50:25.0	46.4600	-81.1800						MCLAUGHLIN
1996030	1996/01/30	21:14:56.5	36.1248	135.4962	355.57	5.02	139	22	0.59	REDB:PIDC_REDB
1996035	1996/02/04	16:45:22.7	64.2693	-148.1963	4.10		24	49	-1.00	DEWEY
1996049	1996/02/18	01:45:45.1	42.8010	2.5209	11.64	4.44	155	21	0.14	REDB:PIDC_REDB
1996053	1996/02/22	08:38:33.6	8.5818	-83.1489	5.20	4.86	43	78	0.07	REDB:PIDC_REDB
1996056	1996/02/25	01:20:01.7	38.7456	15.8186	198.43	4.56	100	71	0.48	REDB:PIDC_REDB
1996059	1996/02/28	16:42:10.7	31.9364	132.7495	34.96	4.17	56	113	0.92	REDB:PIDC_REDB

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jdate	date	time	latitude	longitude	depth	mb	nsta	gap	mindist	source
1996073	1996/03/13	12:34:09.0	47.4750	-65.8900						MCLAUGHLIN
1996100	1996/04/09	11:51:43.0	46.4600	-81.1800						MCLAUGHLIN
1996101	1996/04/10	23:24:15.1	-13.1302	-76.1876	73.76	4.57	49	84	0.31	REDB:PIDC_REDB
1996110	1996/04/19	00:52:41.1	36.7443	-121.7181	0.00	4.21	100	131	0.17	REDB:PIDC_REDB
1996111	1996/04/20	12:31:18.4	53.4100	82.6200	15.00					RUS/LDEO
1996116	1996/04/25	09:42:12.1	54.1300	87.2300	15.00					RUS/LDEO
1996118	1996/04/27	00:38:27.0	39.4527	16.5190	11.07	4.40	88	79	0.25	REDB:PIDC_REDB
1996121	1996/04/30	17:05:29.0	47.4750	-65.8900						MCLAUGHLIN
1996123	1996/05/02	05:45:12.7	31.7663	131.8552	28.52	4.75	50	116	0.56	REDB:PIDC_REDB
1996123	1996/05/02	10:59:33.0	46.4600	-81.1800						MCLAUGHLIN
1996124	1996/05/03	04:04:22.7	47.7678	-121.8605	7.40		18	73	-1.00	REDB:DEWEY
1996131	1996/05/10	07:27:56.1	62.1896	-149.6929	58.55	4.42	107	40	0.35	REDB:PIDC_REDB
1996131	1996/05/10	17:22:49.8	-33.3933	-70.3480	104.92	4.56	37	42	0.08	REDB:PIDC_REDB
1996141	1996/05/20	16:27:02.5	38.2523	139.2112	8.83	4.15	38	55	0.21	REDB:PIDC_REDB
1996151	1996/05/30	10:00:38.7	47.4710	-115.7820	1.00		-1	-1	-1.00	DEWEY
1996154	1996/06/02	09:37:48.1	27.3629	128.6468	44.63	5.60	65	47	0.50	REDB:PIDC_REDB
1996159	1996/06/07	05:09:23.2	45.4848	26.2766	131.23	4.24	43	40	0.23	REDB:PIDC_REDB
1996180	1996/06/28	09:57:49.2	47.2210	9.9746	6.42	4.06	91	45	0.40	REDB:PIDC_REDB
1996186	1996/07/04	11:39:39.0	61.9021	-150.9155	64.12	5.36	338	14	0.30	REDB:PIDC_REDB
1996197	1996/07/15	00:13:31.5	45.9972	6.0125	19.26	4.14	180	28	0.57	REDB:PIDC_REDB
1996201	1996/07/19	09:45:13.0	47.4750	-65.8900						MCLAUGHLIN
1996223	1996/08/10	18:12:17.5	38.9004	140.6314	3.42	5.47	78	44	0.21	REDB:PIDC_REDB
1996223	1996/08/10	18:54:11.5	38.8859	140.6400	5.38	5.24	60	69	0.46	REDB:PIDC_REDB
1996226	1996/08/13	07:51:23.0	47.4750	-65.8900						MCLAUGHLIN
1996226	1996/08/13	07:53:53.0	46.4600	-81.1800						MCLAUGHLIN
1996232	1996/08/19	02:56:02.9	60.0163	-153.1323	0.00		45	66	-1.00	DEWEY
1996253	1996/09/09	04:34:18.4	30.4637	130.9370	8.71	5.16	66	63	0.19	REDB:PIDC_REDB
1996255	1996/09/11	02:37:15.6	35.5916	141.0795	49.08	5.70	78	62	0.21	REDB:PIDC_REDB
1996279	1996/10/05	00:56:44.0	47.4750	-65.8900						MCLAUGHLIN
1996284	1996/10/10	17:20:40.0	47.2830	-66.2500						MCLAUGHLIN
1996289	1996/10/15	09:56:03.5	44.7915	10.6694	30.87	5.01	156	31	0.41	REDB:PIDC_REDB
1996289	1996/10/15	12:18:27.5	44.7838	10.6065	25.53	4.33	111	37	0.38	REDB:PIDC_REDB
1996291	1996/10/17	15:38:34.2	60.0619	-153.7400	173.75	5.38	333	24	0.30	REDB:PIDC_REDB
1996292	1996/10/18	10:50:25.0	30.5740	131.1406	26.55	5.55	94	63	0.16	REDB:PIDC_REDB
1996293	1996/10/19	14:44:43.4	31.8282	131.9061	33.48	5.36	84	61	0.59	REDB:PIDC_REDB
1996296	1996/10/22	22:15:02.4	63.3573	-145.3537	6.20		27	64	-1.00	REDB:DEWEY
1996299	1996/10/25	21:23:37.7	63.3683	-145.3075	7.20		27	65	-1.00	DEWEY
1996310	1996/11/05	17:45:00.1	63.3668	-145.3388	3.80		30	65	-1.00	DEWEY
1996333	1996/11/28	07:40:42.9	34.6178	140.4112	47.80	5.27	63	55	0.20	REDB:PIDC_REDB
1996337	1996/12/02	22:17:59.3	31.7483	131.6027	34.44	5.47	85	61	0.38	REDB:PIDC_REDB
1996337	1996/12/02	23:33:12.8	40.0238	-119.6047	7.00		20	65	-1.00	DEWEY
1996338	1996/12/03	15:49:14.4	37.4591	139.6255	143.26	5.04	70	28	0.34	REDB:PIDC_REDB
1996347	1996/12/12	18:35:48.9	38.6645	-119.5408	0.00		45	66	-1.00	DEWEY

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>nsta</b>	<b>gap</b>	<b>mindist</b>	<b>source</b>
1996356	1996/12/21	01:28:47.5	36.0879	139.8835	50.08	5.51	62	51	0.22	REDB:PIDC_REDB
1996356	1996/12/21	08:46:01.0	39.9186	13.0125	484.14	5.34	104	34	1.22	REDB:PIDC_REDB
1997024	1997/01/24	04:52:28.0	47.4750	-65.8900						MCLAUGHLIN
1997028	1997/01/28	21:17:35.0	46.4600	-81.1800						MCLAUGHLIN
1997030	1997/01/30	05:28:21.7	59.3520	-144.9872	9.71	4.79	193	115	0.65	REDB:PIDC_REDB
1997033	1997/02/02	02:20:21.3	36.1857	-120.2888	3.70		56	47	-1.00	DEWEY
1997051	1997/02/20	07:04:01.6	54.1900	87.2200	15.00					RUS/LDEO
1997051	1997/02/20	07:55:01.0	41.7675	142.9021	46.27	5.22	67	76	0.31	REDB:PIDC_REDB
1997055	1997/02/24	07:09:51.8	37.1008	-3.8565	18.97	4.05	78	52	0.09	REDB:PIDC_REDB
1997065	1997/03/06	06:50:44.9	40.7618	139.4845	12.00	4.67	46	56	0.43	REDB:PIDC_REDB
1997069	1997/03/10	13:28:34.6	53.6900	88.9300	15.00					RUS/LDEO
1997072	1997/03/13	01:12:11.9	42.7391	143.0205	128.38	4.56	61	56	0.28	REDB:PIDC_REDB
1997075	1997/03/16	05:51:39.3	34.8741	137.5412	40.62	5.02	171	33	0.15	REDB:PIDC_REDB
1997076	1997/03/17	09:23:17.1	41.8432	142.1895	66.65	4.85	62	99	0.74	REDB:PIDC_REDB
1997077	1997/03/18	12:59:46.0	47.4750	-65.8900						MCLAUGHLIN
1997077	1997/03/18	15:24:47.9	34.9216	-116.8742	1.16	4.63	72	26	0.33	REDB:PIDC_REDB
1997078	1997/03/19	07:03:58.0	47.2830	-66.2500						MCLAUGHLIN
1997084	1997/03/25	00:14:45.5	-33.4458	-70.7654	81.53	5.27	40	41	0.09	REDB:PIDC_REDB
1997085	1997/03/26	08:31:47.1	31.9691	130.3928	7.22	5.03	41	75	0.24	REDB:PIDC_REDB
1997090	1997/03/31	15:51:12.9	33.3448	132.4527	40.28	4.44	40	66	0.20	REDB:PIDC_REDB
1997092	1997/04/02	21:47:32.2	33.3434	132.4468	41.21	4.49	49	66	0.20	REDB:PIDC_REDB
1997103	1997/04/13	23:05:19.0	46.4600	-81.1800						MCLAUGHLIN
1997106	1997/04/16	05:46:45.0	47.4750	-65.8900						MCLAUGHLIN
1997107	1997/04/17	13:04:01.0	47.4750	-65.8900						MCLAUGHLIN
1997117	1997/04/27	11:09:27.2	34.3235	-118.6961	8.42	4.71	85	157	0.15	REDB:PIDC_REDB
1997124	1997/05/04	08:57:11.5	63.3760	-145.2005	3.30		23	65	-1.00	DEWEY
1997126	1997/05/06	01:31:23.2	61.5718	-149.6570	43.60		51	36	-1.00	REDB:DEWEY
1997132	1997/05/12	13:50:19.6	43.0573	12.3346	131.91	4.28	71	48	0.93	REDB:PIDC_REDB
1997143	1997/05/23	04:22:09.0	46.6700	-81.3600						MCLAUGHLIN
1997166	1997/06/15	04:54:16.8	42.9824	144.1820	97.81	5.14	54	88	0.27	REDB:PIDC_REDB
1997174	1997/06/23	19:13:26.9	47.6148	-122.5917	16.00		15	72	-1.00	REDB:DEWEY
1997176	1997/06/25	09:50:12.7	34.4119	131.6604	2.20	4.71	44	37	0.29	REDB:PIDC_REDB
1997183	1997/07/02	09:38:42.4	36.4477	-3.1756	11.32	4.40	57	51	0.50	REDB:PIDC_REDB
1997192	1997/07/11	01:28:55.2	47.5992	-122.5605	17.70		21	42	-1.00	DEWEY
1997195	1997/07/14	22:42:21.1	60.9647	-147.5812	36.90		41	39	-1.00	DEWEY
1997204	1997/07/23	03:18:03.9	40.9252	-123.3683	22.10		29	38	-1.00	DEWEY
1997218	1997/08/06	08:06:16.5	60.1565	-150.9239	52.50	4.33	84	82	0.61	REDB:PIDC_REDB
1997228	1997/08/16	05:12:52.5	62.5818	-151.1174	83.91	4.17	79	60	0.43	REDB:PIDC_REDB
1997233	1997/08/21	16:11:24.5	38.5865	-118.5002	10.50		21	74	-1.00	DEWEY
1997242	1997/08/30	11:41:27.6	44.8332	-111.4793	4.90		16	68	-1.00	DEWEY
1997244	1997/09/01	09:46:32.0	47.2830	-66.2500						MCLAUGHLIN
1997246	1997/09/03	22:07:29.6	43.0300	12.9025	0.13	4.30	127	74	0.47	REDB:PIDC_REDB
1997255	1997/09/12	15:14:03.0	46.4600	-81.1800						MCLAUGHLIN

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jdate	date	time	latitude	longitude	depth	mb	nsta	gap	mindist	source
1997255	1997/09/12	16:20:45.7	36.2160	-120.3688	5.00		59	48	-1.00	DEWEY
1997255	1997/09/12	17:08:23.0	36.7623	-121.5308	5.80		93	41	-1.00	DEWEY
1997257	1997/09/14	12:15:54.0	46.4600	-81.1800						MCLAUGHLIN
1997269	1997/09/26	00:33:13.2	43.0095	12.7999	4.81	5.22	146	30	0.12	REDB:PIDC_REDDB
1997269	1997/09/26	09:40:27.2	43.0198	12.7334	2.73	5.29	105	77	0.07	REDB:PIDC_REDDB
1997284	1997/10/11	05:44:36.6	34.3907	138.1970	21.19	4.78	42	45	0.21	REDB:PIDC_REDDB
1997284	1997/10/11	19:00:00.7	45.7915	26.6171	111.63	4.31	42	40	0.11	REDB:PIDC_REDDB
1997304	1997/10/31	04:23:46.1	44.3064	6.3615	25.75	4.23	95	50	0.70	REDB:PIDC_REDDB
1997308	1997/11/04	05:02:43.0	47.4750	-65.8900						MCLAUGHLIN
1997309	1997/11/05	23:00:08.1	37.2580	-117.8470	0.00	4.15	59	35	0.58	REDB:PIDC_REDDB
1997310	1997/11/06	02:34:33.8	46.7946	-71.4463	20.79	4.69	99	45	0.97	REDB:PIDC_REDDB
1997317	1997/11/13	17:56:21.4	33.6022	139.9086	114.90	4.70	47	100	0.49	REDB:PIDC_REDDB
1997319	1997/11/15	06:00:20.0	37.2223	-117.8279	0.00	4.65	116	28	0.60	REDB:PIDC_REDDB
1997319	1997/11/15	07:05:16.5	43.8678	144.9617	149.76	5.95	51	72	0.14	REDB:PIDC_REDDB
1997322	1997/11/18	11:23:17.5	45.7514	26.6909	117.79	4.30	36	37	0.12	REDB:PIDC_REDDB
1997364	1997/12/30	04:39:30.7	45.6196	26.1250	138.71	4.43	37	42	0.18	REDB:PIDC_REDDB
1998002	1998/01/02	11:15:08.0	46.4600	-81.1800						MCLAUGHLIN
1998021	1998/01/21	04:57:04.0	47.4750	-65.8900						MCLAUGHLIN
1998041	1998/02/10	02:14:37.0	46.6300	-81.3900						MCLAUGHLIN
1998045	1998/02/14	02:15:02.8	63.1585	-150.9562	126.21	4.47	214	19	0.40	REDB:PIDC_REDDB
1998051	1998/02/20	17:05:50.0	46.6300	-81.3800						MCLAUGHLIN
1998052	1998/02/21	00:55:42.5	37.2396	138.8093	23.17	4.79	31	45	0.36	REDB:PIDC_REDDB
1998065	1998/03/06	05:47:41.6	35.9421	-117.7312	6.50	4.72	123	19	0.07	REDB:PIDC_REDDB
1998068	1998/03/09	05:05:58.0	46.4900	-81.0700						MCLAUGHLIN
1998068	1998/03/09	05:49:45.0	46.4900	-81.0700						MCLAUGHLIN
1998072	1998/03/13	13:14:38.9	45.6041	26.2489	153.90	4.51	38	49	0.24	REDB:PIDC_REDDB
1998085	1998/03/26	16:26:16.5	43.1837	12.8708	45.78	4.95	110	28	0.19	REDB:PIDC_REDDB
1998090	1998/03/31	15:58:25.0	46.4600	-81.1800						MCLAUGHLIN
1998105	1998/04/15	16:35:45.0	47.4750	-65.8900						MCLAUGHLIN
1998120	1998/04/30	00:48:29.9	61.1830	-147.3623	35.10		24	79	-1.00	DEWEY
1998122	1998/05/02	03:01:50.0	46.6300	-81.3800						MCLAUGHLIN
1998125	1998/05/05	16:21:37.0	46.4600	-81.1800						MCLAUGHLIN
1998127	1998/05/07	23:15:33.5	19.2325	-155.5142	7.50		11	85	-1.00	DEWEY
1998132	1998/05/12	15:08:30.0	46.6300	-81.3800						MCLAUGHLIN
1998134	1998/05/14	06:59:22.0	47.4750	-65.8900						MCLAUGHLIN
1998138	1998/05/18	17:19:06.3	39.2842	15.1500	283.43	4.94	96	35	0.99	REDB:PIDC_REDDB
1998142	1998/05/22	19:49:35.5	33.6883	131.8247	82.64	4.85	51	36	0.22	REDB:PIDC_REDDB
1998145	1998/05/25	15:47:02.0	46.4600	-81.1800						MCLAUGHLIN
1998145	1998/05/25	15:56:30.0	46.4600	-81.1800						MCLAUGHLIN
1998146	1998/05/26	03:40:55.0	46.4600	-81.1800						MCLAUGHLIN
1998149	1998/05/29	19:45:25.0	46.4900	-81.0700						MCLAUGHLIN
1998163	1998/06/12	21:46:20.0	47.2830	-66.2500						MCLAUGHLIN
1998169	1998/06/18	07:17:09.0	47.2830	-66.2500						MCLAUGHLIN

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jdate	date	time	latitude	longitude	depth	mb	nsta	gap	mindist	source
1998171	1998/06/20	21:16:20.2	43.2617	-110.6707	3.00		10	88	-1.00	REDB-DEWEY
1998177	1998/06/26	16:55:47.4	33.0223	-115.8857	14.40		51	35	-1.00	DEWEY
1998177	1998/06/26	20:07:42.0	37.6068	-118.8163	6.60		26	62	-1.00	DEWEY
1998190	1998/07/09	19:39:45.8	60.5344	-153.1290	145.64	5.05	377	44	0.10	REDB:PIDC_REDB
1998194	1998/07/13	16:54:31.3	37.5897	-118.8148	5.10		27	64	-1.00	DEWEY
1998209	1998/07/28	11:38:47.5	59.1809	-137.9361	0.33	4.32	103	114	0.85	REDB:PIDC_REDB
1998224	1998/08/12	14:10:25.0	36.7355	-121.4822	8.30		86	40	-1.00	DEWEY
1998230	1998/08/18	11:25:24.8	61.4990	-148.2580	6.50		19	66	-1.00	DEWEY
1998235	1998/08/23	18:16:16.5	43.8592	-111.0092	8.90		16	63	-1.00	DEWEY
1998238	1998/08/26	21:50:04.5	43.8647	-111.0003	7.30		14	64	-1.00	DEWEY
1998254	1998/09/11	14:38:43.0	37.3865	-118.7003	5.60		38	89	-1.00	DEWEY
1998260	1998/09/17	02:58:55.5	43.8692	-111.0127	7.30		16	62	-1.00	DEWEY
1998262	1998/09/19	10:01:26.0	46.4600	-81.1800						MCLAUGHLIN
1998268	1998/09/25	19:52:52.8	41.4925	-80.3042	0.00	4.73	26	79	3.38	REDB:PIDC_REB
1998279	1998/10/06	16:58:34.0	47.4750	-65.8900						MCLAUGHLIN
1998301	1998/10/28	03:11:54.4	45.8316	-112.0953	3.43	4.10	98	31	0.15	REDB:PIDC_REDB
1998303	1998/10/30	09:53:30.1	39.3087	-119.9763	10.60		16	85	-1.00	REDB-DEWEY
1998312	1998/11/08	08:41:00.0	47.4750	-65.8900						MCLAUGHLIN
1998323	1998/11/19	06:49:20.0	47.4750	-65.8900						MCLAUGHLIN
1998335	1998/12/01	21:17:07.1	60.8040	-146.7178	14.10		30	52	-1.00	DEWEY
1998338	1998/12/04	12:16:08.0	37.9100	-122.3233	6.20		93	32	-1.00	DEWEY
1998351	1998/12/17	13:08:22.0	47.4750	-65.8900						MCLAUGHLIN
1998360	1998/12/26	06:18:33.0	61.4108	-146.1522	40.40		43	34	-1.00	DEWEY
1999023	1999/01/23	22:21:11.0	47.4750	-65.8900						MCLAUGHLIN
1999027	1999/01/27	17:22:36.0	46.6300	-81.3800						MCLAUGHLIN
1999029	1999/01/29	10:53:19.0	46.6300	-81.3800						MCLAUGHLIN
1999080	1999/03/21	11:46:02.0	46.4600	-81.1800						MCLAUGHLIN
1999080	1999/03/21	17:24:49.0	46.4600	-81.1800						MCLAUGHLIN
1999105	1999/04/15	07:27:43.0	46.4600	-81.1800						MCLAUGHLIN
1999105	1999/04/15	07:31:34.0	46.4600	-81.1800						MCLAUGHLIN
1999160	1999/06/09	13:18:45.0	47.4750	-65.8900						MCLAUGHLIN
1999166	1999/06/15	18:56:43.0	46.6800	-81.3400						MCLAUGHLIN
1999195	1999/07/14	22:32:03.0	47.4750	-65.8900						MCLAUGHLIN
1999197	1999/07/16	14:55:36.0	47.4750	-65.8900						MCLAUGHLIN
1999216	1999/08/04	15:08:03.0	46.6700	-81.3400						MCLAUGHLIN
1999226	1999/08/14	15:35:31.0	47.4750	-65.8900						MCLAUGHLIN
1999227	1999/08/15	19:12:59.0	47.4750	-65.8900						MCLAUGHLIN
1999230	1999/08/18	20:27:26.0	47.4750	-65.8900						MCLAUGHLIN
1999232	1999/08/20	09:19:55.0	47.4750	-65.8900						MCLAUGHLIN
1999245	1999/09/02	05:46:52.0	46.6300	-81.3900						MCLAUGHLIN
1999259	1999/09/16	16:19:05.0	46.4600	-81.1800						MCLAUGHLIN
1999259	1999/09/16	16:50:51.0	46.4600	-81.1800						MCLAUGHLIN
1999265	1999/09/22	01:48:06.0	47.4750	-65.8900						MCLAUGHLIN

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<b>jdate</b>	<b>date</b>	<b>time</b>	<b>latitude</b>	<b>longitude</b>	<b>depth</b>	<b>mb</b>	<b>nsta</b>	<b>gap</b>	<b>mindist</b>	<b>source</b>
1999265	1999/09/22	13:25:41.0	46.4600	-81.1800						MCLAUGHLIN
1999268	1999/09/25	22:36:53.0	47.4750	-65.8900						MCLAUGHLIN
1999270	1999/09/27	20:50:57.0	47.4750	-65.8900						MCLAUGHLIN
1999277	1999/10/04	07:24:52.0	47.4750	-65.8900						MCLAUGHLIN
1999281	1999/10/08	23:39:12.0	47.4750	-65.8900						MCLAUGHLIN
1999284	1999/10/11	03:36:30.0	47.4750	-65.8900						MCLAUGHLIN
1999295	1999/10/22	22:18:19.0	47.4750	-65.8900						MCLAUGHLIN
1999299	1999/10/26	21:04:31.0	47.4750	-65.8900						MCLAUGHLIN
1999299	1999/10/26	21:06:06.0	47.4750	-65.8900						MCLAUGHLIN
1999299	1999/10/26	21:39:45.0	47.4750	-65.8900						MCLAUGHLIN
1999299	1999/10/26	21:55:14.0	47.4750	-65.8900						MCLAUGHLIN
1999299	1999/10/26	22:39:15.0	47.4750	-65.8900						MCLAUGHLIN
1999299	1999/10/26	22:53:20.0	47.4750	-65.8900						MCLAUGHLIN
1999299	1999/10/26	23:24:59.0	47.4750	-65.8900						MCLAUGHLIN
1999299	1999/10/26	23:45:18.0	47.4750	-65.8900						MCLAUGHLIN
1999300	1999/10/27	00:21:37.0	47.4750	-65.8900						MCLAUGHLIN
1999300	1999/10/27	09:42:27.0	47.4750	-65.8900						MCLAUGHLIN
1999314	1999/11/10	22:42:32.0	46.6300	-81.3900						MCLAUGHLIN
1999327	1999/11/23	10:16:45.0	47.4750	-65.8900						MCLAUGHLIN
1999328	1999/11/24	01:17:40.0	47.4750	-65.8900						MCLAUGHLIN
1999359	1999/12/25	18:58:19.0	47.4750	-65.8900						MCLAUGHLIN
1999360	1999/12/26	16:47:21.0	47.4750	-65.8900						MCLAUGHLIN
2000024	2000/01/24	21:12:36.0	47.4750	-65.8900						MCLAUGHLIN
2000024	2000/01/24	22:02:04.0	47.4750	-65.8900						MCLAUGHLIN
2000058	2000/02/27	17:07:19.0	47.4750	-65.8900						MCLAUGHLIN
2000061	2000/03/01	17:32:41.0	47.4750	-65.8900						MCLAUGHLIN
2000061	2000/03/01	17:33:54.0	47.4750	-65.8900						MCLAUGHLIN
2000061	2000/03/01	17:55:06.0	47.4750	-65.8900						MCLAUGHLIN
2000066	2000/03/06	11:02:36.0	47.4750	-65.8900						MCLAUGHLIN
2000067	2000/03/07	05:02:28.0	47.4750	-65.8900						MCLAUGHLIN
2000067	2000/03/07	06:15:18.0	47.4750	-65.8900						MCLAUGHLIN
2000067	2000/03/07	11:29:06.0	47.4750	-65.8900						MCLAUGHLIN
2000071	2000/03/11	22:45:28.0	47.4750	-65.8900						MCLAUGHLIN
2000074	2000/03/14	14:28:41.0	47.4750	-65.8900						MCLAUGHLIN
2000107	2000/04/16	21:41:45.0	47.4750	-65.8900						MCLAUGHLIN
2000108	2000/04/17	16:55:12.0	46.6700	-81.3400						MCLAUGHLIN
2000111	2000/04/20	21:19:47.0	47.4750	-65.8900						MCLAUGHLIN
2000111	2000/04/20	21:22:55.0	47.4750	-65.8900						MCLAUGHLIN
2000111	2000/04/20	22:10:09.0	47.4750	-65.8900						MCLAUGHLIN
2000111	2000/04/20	22:15:27.0	47.4750	-65.8900						MCLAUGHLIN
2000112	2000/04/21	00:58:23.0	47.4750	-65.8900						MCLAUGHLIN